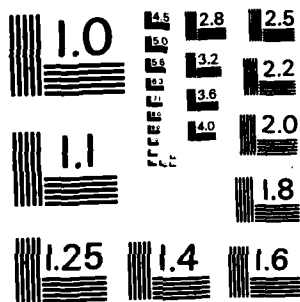


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SURFACE WEATHER OBSERV. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. APR 83
USAFETAC/DS 83/018 SBI-AD-E850 396 F/G 4/2

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F/G 4/2



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

ADA131888

DS * 83018

1

DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)

WIND: 101 21 ELEV: 1600 FT MDC #17675
DATE: 25 101 21 ELEV: 1600 FT MDC #17675
FAIR: A-F HOURS SUMMARIZED: 0000Z - 1300Z
PERIOD OF RECORD:
HOURLY OBSERVATIONS: JAN 73 - DEC 82
SUMMARY OF DAY DATA: 101 59 - DEC 82
TIME CONVERSION GMT TO LST: -6

APR 25 1983

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This technical report has been reviewed and is approved for publication.

Wayne E. McCollom

WAYNE E. MCCOLLOM
Chief, Technical Information Section
USAFETAC/TST

FOR THE COMMANDER

Walter S. Burmann

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS 83018	2. GOVT ACCESSION NO. AD-A31884	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)-		5. TYPE OF REPORT & PERIOD COVERED Final rept															
6. PERFORMING ORG. REPORT NUMBER		7. CONTRACT OR GRANT NUMBER(s)															
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB, IL 62225		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS															
11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB, IL 62225		12. REPORT DATE Apr 83															
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		13. NUMBER OF PAGES															
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) <p>This report is a six-part statistical summary of surface weather observations for</p> <p>MINOT AFB, NORTH DAKOTA</p> <p>It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (Daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric</p>																	

DD FORM 1 JAN 73 1473 EDITION OF 1 NOV 65 IS OBSOLETE

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19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

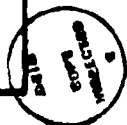
*NORTH DAKOTA

*MINOT AFB

*

20. Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurring tables.

Accession For	
MTIS	<input checked="" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	<input type="checkbox"/>
By	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
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USAF ETAC DS-83/018

ADE 850 396

US NO 727675

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WHO number with the addition of a suffix zero; or, in cases where there is no designated WHO number, a 5-digit number created in agreement with WHO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

MEAN & STD DEV
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

FEBRUARY _____

MARCH _____

APRIL _____

MAY _____

JUNE _____

JULY _____

AUGUST _____

SEPTEMBER _____

OCTOBER _____

NOVEMBER _____

DECEMBER _____

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT)	CALL SIGN	WMO NUMBER
727675	MINOT AFB NORTH DAKOTA	N 48 25	W 101 21	1668	MIB	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT. BARO.	
1	Minot AFB North Dakota	AFB	Mar 60	Nov 60	N 48 25	W 101 20	1678	1631 ft	24
2	Same	Same	Dec 60	Feb 65	Same	Same	Same	1654 ft	24
3	Same	Same	Mar 65	Feb 66	Same	W 101 21	Same	Same	24
4	Same	Same	Mar 66	Oct 67	Same	Same	Same	1657 ft	24
5	Same	Same	Nov 67	Dec 70	Same	Same	Same	1629 ft	24
6	Same	Same	Jan 71	Feb 78	Same	Same	1666 ft	Same	24
7	Same	Same	Mar 78	Dec 82	Same	Same	1668 ft	1631 ft	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Mar 60	Located on top of control tower.	AN/GMQ-11	N/A	65 ft.	
2	Apr 60	Located in open area adjacent to active runway, 2000 ft WSW of observing bldg.	Same	RO-2	18 ft.	
3	Dec 60	Located 2000 ft from touchdown point adjacent to primary runway 29.	Same	Same	10 ft.	
4	Mar 62	Located in open area adjacent to active runway, 2000 ft WSW of observing bldg.	Same	Same	18 ft.	
5	Mar 65	1. Located 800 ft NE of centerline, 2950 ft N of end of runway 29.	Same	Same	19 ft.	
		2. Located 650 ft SW of centerline, 1500 ft S of end of runway 11.	Same		15 ft.	

NUMBER OF CATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
6	Dec 70	1. Same	AN/GMQ-11	RO-362	Same	
		2. Same	Same		Same	
7	Jan 71	1. Located 800 ft from centerline 3010 ft N end of rnwy 29.	Same	Same	19 ft.	
		2. Located 650 ft. SW from center- line 1500 ft S of end of rnwy 11.	Same		15 ft.	
8	Feb 78	1. Same	Same	Same	Same	
		2. Same	Same		Same	
9	Dec 82	1. Same	Same	Same	Same	
		2. Same				

U S AIR FORCE
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A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727575 MINOT AFB ND

73-82

JAN

STATION

STATION NAME

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	00-02			.9	27.5		28.4	2.8		8.8	.3	11.6	933
	03-05			1.1	29.5		29.8	2.4		6.8	.5	9.1	933
	06-08		.3	.8	30.9		31.6	4.0	.1	8.1	.4	11.9	933
	09-11			.4	28.5		28.8	4.8		12.3	.3	16.8	933
	12-14		.2	.6	28.1		28.3	3.4		15.2	.5	18.3	933
	15-17		.3	.1	23.1		23.5	2.4		13.7	.5	15.6	933
	18-20				23.9		23.9	.8		11.0	.3	11.4	933
	21-23		.5	.2	27.2		28.0	2.0		8.9	.3	10.5	933
TOTALS			.2	.5	27.3		27.8	2.8	.3	10.6	.4	13.2	7443

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727575 MINOT AFB ND

73-82

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
FEB	00-02		.1	1.1	25.1		25.9	5.9		5.8		11.1	846
	03-05		.2	.8	27.0		27.5	7.2		7.0		14.1	846
	06-08		.5	1.4	29.6		31.0	8.4		5.7		14.1	846
	09-11		.1	1.7	31.0		32.3	9.7		9.1		18.7	846
	12-14			.7	27.9		28.6	7.1	.2	12.4		19.4	846
	15-17		.6	.6	25.3		26.4	5.9		12.2	.1	17.8	846
	18-20		.7	.6	20.2		21.5	5.9	.1	8.0		13.7	846
	21-23		.5	.5	23.6		24.5	5.8		5.8		11.1	846
TOTALS			.3	.9	26.2		27.2	7.0	.3	8.3	.0	15.0	6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727575
STATION

MINOT AFB ND
STATION NAME

73-82
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST.	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAR	00-02		1.5	1.0	15.9		17.7	5.1	.2	3.7		9.0	919
	03-05		1.6	.8	16.4		17.8	5.5		2.9		9.6	921
	06-08		1.8	1.2	19.1		20.2	7.7	.4	3.4		11.5	921
	09-11		2.2	.3	17.9		19.2	9.9	.1	5.4	.1	14.4	921
	12-14		2.3	.5	14.1		15.5	5.4		4.3	.3	10.1	921
	15-17		1.2	.9	12.5		13.5	2.8		5.2	.2	6.3	921
	18-20		2.0	.4	12.8		14.5	3.3	.2	4.6		7.8	921
	21-23		2.0	.4	16.0		17.5	4.9	.2	4.6		9.7	919
TOTALS			1.8	.7	15.6		17.0	5.6	.1	4.3	.1	10.1	7364

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727575 MINOT AFB ND

73-82

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02	.6	8.6	1.4	6.7		15.4	7.1		.6	.8	8.6	900
	03-05	.2	6.0	1.3	6.2		13.1	8.9		.7	.2	9.8	900
	06-08		5.8	.4	9.4		14.4	10.6		1.6		12.1	900
	09-11	.1	5.0	.2	8.0		12.4	5.6		1.9	.3	7.7	900
	12-14	.1	7.3	.2	6.1	.1	12.7	3.8	.2	2.0	.8	6.6	900
	15-17	.1	8.1		5.7	.1	13.1	2.3	.7	1.3	.9	5.2	900
	18-20	.9	7.9	.3	5.2		12.9	3.5	.1	1.6	1.4	6.6	898
	21-23	.4	7.8	.8	4.1		11.9	3.8		1.0	1.3	6.1	900
TOTALS		.3	7.1	.6	6.4	.0	13.2	5.7	.1	1.4	.7	7.8	7198

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727575
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-02	1.2	9.7		1.0		10.3	3.9			.6	4.5	933
	03-05	.1	8.2		.9		8.8	4.9	.1		.3	5.4	933
	06-08	.2	9.8		1.0		10.6	7.0	.2		.4	7.6	933
	09-11	.2	8.8		1.4		9.8	3.4	.3		.9	4.5	933
	12-14	.2	9.7		.8		10.3	3.0	.3		.9	3.9	933
	15-17	1.9	8.8		1.3		9.7	2.9	.3		.9	3.9	933
	18-20	1.8	10.5		1.3		11.6	2.0	.3	.1	1.5	4.0	933
	21-23	1.7	8.6		1.1		9.4	3.0	.1		.4	3.4	933
TOTALS		.9	9.3		1.1		10.1	3.8	.2	.0	.7	4.7	7443

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727575
STATION

MINOT AFB ND

73-82

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	00-02	3.1	10.4				10.4	1.1				1.1	900
	03-05	2.3	9.1				9.1	2.7				2.7	900
	06-08	1.1	8.1				8.1	3.7	.1			3.8	900
	09-11	.7	6.6				6.6	2.7	.1			2.8	900
	12-14	1.3	7.6				7.6	2.2				2.2	900
	15-17	3.3	8.8				8.8	.9				.9	900
	18-20	3.7	7.7				7.7	1.3				1.3	900
	21-23	3.7	9.2				9.2	.7			.1	.8	900
TOTALS		2.4	8.4				8.4	1.9	.2		.2	2.0	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727575

MINOT AFB ND

73-82

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	2.4	4.5				4.5	1.5	.2			1.7	930
	03-05	2.5	4.7				4.7	3.2				3.2	930
	06-08	1.2	3.1				3.1	4.3	.1			4.3	930
	09-11	.8	3.5				3.5	.6	.5			1.2	930
	12-14	1.1	3.1				3.1	.2	.3			.5	930
	15-17	2.2	3.2				3.2		.1			.1	930
	18-20	3.2	5.0				5.0	.1				.1	929
	21-23	2.9	2.4				2.4	.1	.2			.3	929
TOTALS		2.0	3.7				3.7	1.3	.2			1.4	7438

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727575
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	30-02	1.9	4.0			.1	4.0	1.4	.3			1.7	933
	03-05	1.6	6.3				6.3	2.9	.3			3.2	933
	06-08	1.3	7.4				7.4	7.8	.6			8.5	933
	09-11	1.1	8.0				8.3	4.6	.4			5.1	929
	12-14	1.2	5.9				5.9	1.8	.8		.2	2.8	933
	15-17	1.4	3.9				3.9	.8	.4		.6	1.8	933
	18-20	2.7	4.6			.1	4.6	.6	.3			1.0	933
	21-23	2.3	4.2				4.2	1.1	.8		.1	1.9	933
TOTALS		1.7	5.5			.0	5.5	2.6	.5		.1	3.3	7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727675
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
SEP	00-02	.6	7.8				7.8	3.6				3.6	900
	03-05	.8	7.9				7.9	4.7				4.7	900
	06-08	.6	8.9				8.9	8.0	.8			8.8	900
	09-11	.4	7.7				7.7	5.7	.6			6.1	900
	12-14	.2	7.7				7.7	2.7	.3		.2	3.2	900
	15-17		7.0				7.0	2.0	.6		.3	2.9	900
	18-20	.7	7.4		.1		7.6	2.8	.1		.2	3.0	900
	21-23	.4	6.3				6.3	3.1				3.1	900
TOTALS		.5	7.6		.0		7.6	4.1	.3		.1	4.4	7200

WEATHER CONDITIONS

3CT
MONTH

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
OCT	00-02		5.1		3.0		8.0	4.6	.1			4.7	933
	03-05		4.5		3.3		7.3	4.5			.1	4.6	933
	06-08		5.6		2.9		7.8	5.9		.3		6.2	933
	09-11	.2	5.7		3.8		9.0	6.6	.1	.5	.2	7.3	933
	12-14		6.0		3.3		9.0	5.2	.5	.4	.6	6.5	933
	15-17		5.4		1.9		7.2	2.5	.2	.1	.8	3.4	933
	18-20		6.6		1.3	.2	7.4	1.9	.1	.3	.2	2.6	933
	21-23	.1	4.7		3.1		7.2	2.4		.4		2.8	933
TOTALS		.0	5.5		2.8	.0	7.9	4.2	.1	.3	.2	4.8	7443

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727575
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	00-02		1.0	.6	13.2		14.2	4.2	.1	1.1		5.2	933
	03-05		.3	.4	16.4		16.9	4.7		.7	.2	5.6	933
	06-08		1.0	.9	17.7		19.1	5.9		.9		6.8	933
	09-11		.9	.6	16.3		17.7	7.3		1.4		8.8	933
	12-14		1.0	.3	16.3		17.7	5.3		1.6		6.8	933
	15-17		1.0	.8	13.0		14.3	5.6		1.1	.1	6.8	933
	18-20		1.2	.1	10.8		11.8	4.8	.2	1.3	.3	6.4	933
	21-23		.7	.2	12.4		13.2	4.1	.3	1.4	.1	5.7	933
TOTALS			.9	.5	14.6		15.6	5.2	.1	1.2	.1	6.5	7203

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727575
STATION

MINOT AFB ND
STATION NAME

73-82
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
DEC	00-02		.3	1.1	25.9		27.1	7.0		5.5		12.5	933
	03-05		.5	1.2	28.9		30.2	7.5		6.1		13.5	933
	06-08		.5	1.5	30.9		32.2	8.2		6.0		14.1	933
	09-11		.3	1.8	23.8		25.5	8.7		6.9		15.6	933
	12-14		.6	1.7	23.8		25.4	8.0		8.0		15.6	933
	15-17		1.1	.8	21.0		22.2	7.2		8.9		16.1	933
	18-20		.4	.9	20.8		21.8	5.7		5.2		10.7	927
	21-23		.3	.9	23.0		24.2	7.2		4.7		11.7	927
TOTALS			.5	1.2	24.8		26.1	7.4		6.4		13.7	7434

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

727575
STATION

MINOT AFB ND
STATION NAME

73-82
YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL		.2	.5	27.3		27.8	2.8	.3	10.6	.4	13.2	7447
FEB			.3	.9	26.2		27.2	7.0	.3	8.3	.0	15.0	6768
MAR			1.8	.7	15.6		17.0	5.6	.1	4.3	.1	10.1	7364
APR		.3	7.1	.6	6.4	.0	13.2	5.7	.1	1.4	.7	7.8	7198
MAY		.9	9.3		1.1		10.1	3.8	.2	.0	.7	4.7	7440
JUN		2.4	8.4				8.4	1.9	.0		.0	2.0	7200
JUL		2.0	3.7				3.7	1.3	.2			1.4	7438
AUG		1.7	5.5			.0	5.5	2.6	.5		.1	3.3	7439
SEP		.5	7.6		.0		7.6	4.1	.3		.1	4.4	7200
OCT		.0	5.5		2.8	.0	7.9	4.2	.1	.3	.2	4.8	7447
NOV			.9	.5	14.6		15.6	5.2	.1	1.2	.1	6.5	7200
DEC			.5	1.2	24.8		26.1	7.4		6.4		13.7	7434
TOTALS		.7	4.2	.4	9.9	.0	14.2	4.3	.1	2.7	.2	7.2	87561

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than $\frac{5}{8}$ mile.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

XXXXXX WEATHER CONDITIONS XXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

727675
STATION

MINOT AFB ND
STATION NAME

59-82
YEARS

ALL
MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS LST	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	DAILY		6.6	5.5	66.6		68.1	18.5	1.5	30.0	.7	42.8	713
FEB			9.1	6.3	63.8		66.5	25.4	2.3	24.6	.2	45.1	650
MAR			13.9	3.9	48.0	.1	53.9	23.8	4.6	15.1		36.5	713
APR		2.8	35.5	2.5	24.8	.4	43.1	23.0	1.0	4.1	1.0	26.2	690
MAY		11.1	46.6	.1	5.3	1.7	47.7	17.4	1.3	.3		18.1	713
JUN		26.4	54.1			1.3	54.1	14.3	.6		.1	14.8	690
JUL		26.8	44.6			1.1	44.6	10.2	1.1			10.8	713
AUG		19.8	41.9			1.8	41.9	12.8	2.4			14.3	713
SEP		8.1	39.3		2.5	.6	40.1	15.9	1.3	.1		16.7	690
OCT		.8	25.8	.5	12.5		32.9	15.3	1.1	1.5		16.0	744
NOV			14.9	5.4	40.0		47.8	20.7	2.2	7.1	.3	26.4	690
DEC			11.7	8.6	57.9		61.5	21.9	1.3	19.8		37.9	712
TOTALS		8.0	26.7	2.7	26.8	.6	50.6	18.3	1.7	8.5	.2	25.5	8431

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/HAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

727575 MINOT AFB ND

59-62

STATION

STATION NAME

YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	32.0	41.4	6.2	10.9	4.8	3.9	.8							26.6	713	.54	1.42	.06
FEB	32.9	41.2	6.2	11.8	3.4	3.6	.6							25.8	650	.43	1.07	.05
MAR	45.3	30.4	5.5	10.0	3.5	4.5	.8							24.3	713	.57	1.38	.05
APR	50.7	20.7	4.2	6.5	5.7	4.1	4.1	3.5	.6					28.6	690	1.68	8.47	.07
MAY	50.9	16.4	3.9	7.9	4.1	5.6	4.5	3.8	1.1					30.9	713	2.35	5.16	TRACE
JUN	44.9	18.7	3.2	6.0	4.9	8.4	6.7	3.0	1.6	.6				36.4	690	3.20	8.59	.43
JUL	55.0	17.5	3.5	6.5	4.1	5.5	4.3	2.5	1.1					27.5	713	1.99	4.05	.09
AUG	57.4	15.3	3.1	7.3	3.4	6.7	2.5	2.2	2.1					27.3	713	2.12	4.97	.16
SEP	59.3	15.8	2.5	6.4	3.6	5.1	3.5	2.6	1.2	.1				24.9	690	1.99	7.76	.06
OCT	55.6	17.6	2.2	5.0	2.6	2.7	2.7	1.3	.4					16.8	744	1.01	4.10	TRACE
NOV	51.4	28.8	4.5	6.7	3.6	3.0	1.7	.1						19.7	690	.52	1.52	.01
DEC	37.5	38.6	5.6	9.7	4.2	3.5	.4	.4						23.9	712	.53	1.31	.20
ANNUAL	48.6	25.4	4.2	8.1	4.0	4.7	2.7	1.6	.7	.1				26.1	8431	17.06		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES PRECIPITATION

FROM DAILY OBSERVATIONS

727675 MINOT AFB ND
STATION STATION NAME

59-82

YEARS

24 HOUR AMOUNTS IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
59										.68	.66	.12	
60	.43	.32	.22	.31	.81	.53	.31	1.15	.03	TRACE	.17	.25	1.19
61	.16	.39	.03	.76	.48	.43	.33	.13	.71	.05	.04	.13	.76
62	.30	.14	.17	.14	1.76	.81	1.04	1.03	.24	.76	.13	.07	1.78
63	.05	.09	.06	.76	1.28	1.57	.97	.20	.18	.23	.24	.24	1.57
64	.10	.30	.37	.64	1.41	1.87	.93	1.51	.96	.02	.49	.36	1.87
65	.11	.04	.13	.44	.91	1.38	1.85	.32	1.07	TRACE	.11	.46	1.85
66	.20	.14	.02	.42	1.23	.63	1.63	1.23	.15	.47	.18	.21	1.63
67	.40	.15	.10	1.65	.64	.75	.04	.36	.33	.49	.15	.73	1.65
68	.25	.05	.12	.58	.86	.77	.53	1.60	.67	.45	.30	.21	1.60
69	.22	.24	.11	.35	.44	1.92	.93	.50	.54	.48	.12	.51	1.92
70	.42	.29	.23	2.11	.79	1.37	2.37	.19	.41	.26	.47	.20	2.37
71	.31	.10	.45	.70	.40	.60	1.24	.18	4.46	1.44	.08	.78	4.46
72	.12	.24	.25	.10	.60	.92	1.05	1.11	.39	.27	.18	.12	1.11
73	.07	.09	.19	.40	.36	3.28	1.01	1.47	.79	.74	.21*	.12	3.28
74	.14	.37	.16	.80	1.47	.39	.63	1.24	.26	.34	.01	.21	1.47
75	.06	.06	.32	1.70	.83	2.57	.61	.93	1.91	.98	.19	.22	2.57
76	.06	.13	.15	.97	.22	.63	.23	1.16	.07	.22	.01	.76	1.16
77	.14	.07	.02	.04	.89	1.15	.35	.84	1.06	.31	.29	.55	1.15
78	.04	.02	.09	.11	1.71	1.45	1.27	.78	1.06	.37	.20	.19	1.71
79	.05	.19	.15	.64	.38	.31	.42	1.31	.64	.20	.03	.21	1.31
80	.18	.37	.20	.46	TRACE	.65	.47	1.58	1.78	.65	.30	.11	1.78
81	.35	.36	.17	.41	.26	2.65	.55	.45	.27	.35	.39	.39	2.65
82	.19	.23	.22	.04	1.03	1.77	.72	1.06	1.75	1.05			
MEAN	.187	.151	.171	.632	.818	1.233	.847	.883	.857	.453	.215	.241	1.788
S D	.128	.110	.107	.541	.484	.806	.559	.496	.957	.357	.164	.176	.778
TOTAL OBS	713	650	713	690	713	690	713	713	690	744	690	712	8431

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

727575 MINOT AFB ND STATION NAME

59-82 YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
59										2.19	1.92	.31	
60	.63	.05	.49	.93	2.46	1.59	.61	3.20	.06	TRACE	.43	.54	15.79
61	.23	.84	.13	1.86	1.36	.43	.84	.16	3.47	.05	.04	.36	9.76
62	.73	.40	.65	.31	5.16	3.24	3.03	3.13	.24	1.21	.43	.36	18.80
63	.09	.44	.17	2.43	3.21	6.06	3.16	1.23	.71	.25	.25	.35	18.32
64	.23	.87	.92	1.81	2.86	6.21	1.95	2.44	1.53	.03	1.58	.85	21.25
65	.53	.08	.47	1.01	3.79	2.89	4.05	.96	4.51	TRACE	.37	.98	19.44
66	.39	.16	.06	1.44	2.18	1.63	2.94	2.73	.45	.62	.57	.36	13.53
67	1.19	.55	.26	3.74	.73	.95	.09	.58	.77	1.58	.37	1.24	12.04
68	1.18	.23	.33	1.43	2.52	2.25	2.25	4.97	1.88	.93	1.04	.53	19.34
69	1.13	1.07	.36	.99	1.48	4.64	2.62	.59	.69	1.02	.19	1.31	16.09
70	1.42	.73	.86	8.47	2.89	2.82	3.83	.26	1.81	.61	.61	.38	24.65
71	.80	.14	1.38	1.90	.91	3.93	2.72	.34	7.06	3.42	.22	.20	23.02
72	.43	1.07	.96	.36	2.68	2.64	2.23	3.95	2.01	.97	.36	.34	17.47
73	.13	.17	.28	1.32	1.01	8.59	2.16	2.70	2.33	1.26	.54*	.49	20.96
74	.41	.45	.44	2.62	4.37	.53	1.97	3.97	.40	.98	.01	.45	14.65
75	.30	.23	1.04	5.14	2.65	4.50	2.08	1.50	2.87	1.96	.61	.69	23.57
76	.23	.31	.62	3.48	.29	3.39	.55	4.22	.14	.25	.02	.26	13.56
77	.35	.18	.05	.07	2.95	3.33	1.23	1.66	4.03	.59	.57	1.10	16.11
78	.29	.06	.27	.59	4.21	2.54	2.70	1.39	2.76	.46	.53	.34	15.94
79	.06	.55	.62	2.01	1.70	.61	1.05	2.12	.88	.43	.10	.26	10.36
80	.61	.63	.28	.60	TRACE	1.87	1.54	4.93	3.85	1.53	.69	.28	16.73
81	.55	.11	.18	.63	.73	5.23	1.53	1.51	.69	.84	.56	.25	12.77
82	.68	.48	.63	.15	3.89	3.74	1.78	1.37	2.71	4.10			
MEAN	.536	.426	.498	1.882	2.399	3.199	1.991	2.120	1.992	1.009	.522	.531	16.585
S D	.389	.318	.347	1.907	1.396	2.025	1.047	1.453	1.745	1.047	.461	.333	4.352
TOTAL OBS	713	650	713	690	713	693	713	713	693	744	693	712	8433

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

727575 HINGT AFB ND

59-82

STATION

STATION NAME

YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-03	04-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	33.5	39.7	12.1	9.8	2.2	1.4	.6	.4						26.6	713	7.7	18.2	1.0
FEB	35.7	37.8	12.8	8.5	4.0	.9		.3						26.5	650	6.2	15.7	.7
MAR	51.9	26.9	11.4	6.0	2.1	1.0	.4	.1	.1					21.2	713	5.7	19.4	TRACE
APR	74.8	14.8	3.5	2.6	2.0	.7	.6	.6	.4					10.4	690	5.4	43.8	.0
MAY	94.9	3.2	1.0	.6	.3	.1								2.0	713	.5	4.3	.0
JUN	100.0														690	.0	.0	.0
JUL	100.0														713	.0	.0	.0
AUG	100.0														713	.0	.0	.0
SEP	97.8	1.7		.1	.1	.1								.4	690	.2	3.2	.0
OCT	87.2	8.5	1.6	1.6	.3	.4	.1	.1	.1					4.3	744	1.8	16.0	.0
NOV	59.6	23.7	8.4	4.5	2.0	.6	.3	.9						16.7	688	5.0	12.6	TRACE
DEC	41.7	33.8	12.6	6.2	2.7	1.5	.7	.4	.3					24.4	712	7.4	17.3	2.0
ANNUAL	73.1	15.8	5.3	3.3	1.3	.6	.2	.2	.1					11.1	8429	39.9		

USAFETAC FORM 0-15-5 (OLA)
OCT 78

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

FROM DAILY OBSERVATIONS

727575
STATION

MINOT AFB ND
STATION NAME

59-82

YEARS

24 HOUR AMOUNTS IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
59										7.0	4.7	1.0	
60	6.1	.3	2.0	.5	TRACE	.0	.0	.0	.0	TRACE	1.7	2.6	6.1
61	1.6	3.2	.4	3.2	TRACE	.0	.0	.0	TRACE	TRACE	TRACE	1.7	3.2
62	3.5	1.6	1.1	.2	TRACE	.0	.0	.0	.0	.1	1.1	2.5	3.5
63	.7	1.6	.6	2.8	1.4	.0	.0	.0	.0	.0	1.8	2.0	2.8
64	2.0	3.2	3.7	1.7	.0	.0	.0	.0	TRACE	.2*	4.2	4.0	* 4.9
65	1.1	.4	1.3	.8	.1	.0	.0	.0	1.6	.0	1.2	3.5	3.5
66	2.7	1.7	.4	4.0	.9	.0	.0	.0	.0	1.4	2.3	2.7	4.0
67	5.2	2.3	1.6	3.0	.3	.0	.0	.0	.0	.5	1.6	9.6	9.6
68	3.2	.8	1.4	6.4	1.9	.0	.0	.0	.0	TRACE	3.2	2.1	6.4
69	1.7	2.4	1.1	TRACE	TRACE	.0	.0	.0	.0	.6	1.3	5.1	5.1
70	4.2	2.9	3.0	8.0	TRACE	.0	.0	.0	.0	TRACE	4.7	2.0	8.0
71	3.6	1.5	4.7	1.9	TRACE	.0	.0	.0	.0	3.3	.8	.8	4.7
72	1.2	2.4	2.5	.9	.0	.0	.0	.0	3.2	2.2	3.2	2.0	3.9
73	1.0	1.8	1.9	2.0	.0	.0	.0	.0	.0	1.3	4.0*	2.6	4.0
74	2.7	2.1	2.4	1.4	3.3	.0	.0	.0	.0	.1	.2	7.4	7.4
75	1.5	1.8	7.7	5.1	.0	.0	.0	.0	.0	5.1	5.7	5.2	7.7
76	1.8	2.0	4.1	TRACE	TRACE	.0	.0	.0	.0	.3	.4	1.2	4.1
77	4.0	.8	.2	.3	.0	.0	.0	.0	.0	TRACE	3.2	3.0	4.0
78	1.1	.4	1.1	2.1	.0	.0	.0	.0	.0	.0	6.4	4.8	6.4
79	1.3	5.4	2.7	3.7	2.1	.0	.0	.0	.0	TRACE	.7	3.2	5.4
80	3.0	5.6	2.4	6.0	.0	.0	.0	.0	.0	1.5	2.2	2.2	6.0
81	3.7	.9	TRACE	.0	TRACE	.0	.0	.0	.0	TRACE	4.6	1.7	4.6
82	5.7	2.5	2.2	TRACE	.2	.0	.0	.0	.0	1.0			
MEAN	2.73	2.31	2.13	2.34	.81	.30	.30	.30	.21	1.31	2.53	3.23	5.32
S D	1.598	1.374	1.746	2.292	.881	.300	.300	.300	.732	1.782	1.877	2.141	1.840
TOTAL OBS	713	650	713	690	713	693	713	713	693	744	688	712	6929

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OIA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

727675 MINOT AFB ND
STATION STATION NAME

59-92

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
59										16.0	9.2	2.5	
60	8.3	.7	5.3	.9	TRACE	.0	.0	.0	.0	TRACE	4.8	6.4	26.0
61	1.7	8.2	.8	3.6	TRACE	.0	.0	.0	TRACE	TRACE	TRACE	4.8	19.0
62	7.2	4.9	2.6	.2	TRACE	.0	.0	.0	.0	.1	2.2	5.3	22.5
63	1.1	5.2	1.3	3.7	1.4	.0	.0	.0	.0	.0	1.9	3.9	18.5
64	4.3	10.2	9.1	2.7	.0	.0	.0	.0	TRACE	.2*	7.0	11.6	* 45.1
65	5.1	.8	4.6	1.1	.1	.0	.0	.0	2.3	.0	3.6	5.4	23.0
66	5.3	1.9	.6	10.8	.5	.0	.0	.0	.0	1.4	7.0	5.9	33.4
67	14.8	8.7	5.3	9.3	.3	.0	.0	.0	.0	.5	3.8	17.3	59.8
68	15.0	3.3	2.7	7.5	2.5	.0	.0	.0	.0	TRACE	6.9	7.0	40.9
69	12.3	11.6	3.4	TRACE	TRACE	.0	.0	.0	.0	1.0	1.8	13.8	43.9
70	14.5	7.5	11.7	43.8	TRACE	.0	.0	.0	.0	TRACE	6.1	4.3	87.9
71	8.5	1.9	7.1	1.9	TRACE	.0	.0	.0	.0	3.8	1.9	2.0	27.1
72	4.2	11.3	7.9	1.7	.0	.0	.0	.0	3.2	3.5	6.8	4.3	42.9
73	1.1	3.5	2.1	3.5	.0	.0	.0	.0	.0	1.3	7.9*	13.7	* 33.0
74	10.4	13.6	6.5	2.0	4.3	.0	.0	.0	.0	.4	.3	13.8	51.3
75	7.4	7.3	19.4	10.5	.0	.0	.0	.0	.0	8.7	12.4	12.8	78.5
76	5.5	6.8	13.8	TRACE	TRACE	.0	.0	.0	.0	.4	1.3	5.7	33.5
77	8.2	2.6	.4	.3	.0	.0	.0	.0	.0	TRACE	7.2	13.0	31.7
78	1.9	1.4	2.7	2.6	.0	.0	.0	.0	.0	.0	12.8	8.1	29.3
79	1.6	15.7	10.4	9.7	3.3	.0	.0	.0	.0	TRACE	2.5	4.6	47.8
80	12.0	9.0	4.2	8.3	.0	.0	.0	.0	.0	4.2	3.2	5.8	46.7
81	7.9	1.3	TRACE	.0	TRACE	.0	.0	.0	.0	TRACE	6.3	4.3	19.8
82	18.2	6.0	6.4	TRACE	.2	.0	.0	.0	.0	1.3			
MEAN	7.67	6.23	5.67	5.41	.55	.00	.00	.00	.24	1.78	4.95	7.39	39.37
S D	4.978	4.328	4.849	9.163	1.189	.000	.000	.000	.804	3.651	3.583	4.280	19.150
TOTAL OBS	713	650	713	690	713	693	713	713	693	744	688	712	8429

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

727675 MINOT AFB ND

59-82

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	1.7	9.0	11.2	8.6	10.5	24.8	26.1	8.1						89.3	713			
FEB	4.9	10.3	15.2	9.4	8.9	20.3	23.1	7.8						84.8	650			
MAR	31.3	14.0	13.6	10.7	8.3	12.3	6.7	3.1						54.7	713			
APR	75.7	10.0	3.6	2.3	1.2	2.9	3.2	1.2						14.3	690			
MAY	98.7	.4	.4	.3		.1								.8	713			
JUN	100.0														690			
JUL	100.0														713			
AUG	100.0														713			
SEP	99.7		.3											.3	690			
OCT	93.0	4.0	.9	.7	.7	.3	.4							3.0	744			
NOV	60.9	10.1	8.8	7.8	3.0	6.8	2.3	.1						29.0	690			
DEC	18.3	10.4	23.0	10.7	10.1	15.2	8.7	3.7						71.3	712			
ANNUAL	65.3	5.7	6.4	4.2	3.6	6.9	5.9	2.0						29.0	8431			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

FROM DAILY OBSERVATIONS

727575
STATION

MINOT AFB ND
STATION NAME

59-82

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
59										11	8	3	
60	11	3	4	2	0	0	0	0	0	0	3	4	11
61	5	4	2	3	0	0	0	0	0	0	TRACE	4	5
62	7	8	7	TRACE	0	0	0	0	0	0	1	4	8
63	4	3	2	4	0	0	0	0	0	0	2	3	4
64	2	4	7	3	0	0	0	0	0	0	10	15	15
65	15	14	3	2	0	0	0	0	0	0	1	4	15
66	7	6	1	8	4	0	0	0	0	0	3	4	8
67	13	12	7	5	2	0	0	0	0	0	2	14	14
68	21	6	1	7	0	0	0	0	0	0	4	6	21
69	13	21	21	1	0	0	0	0	0	TRACE	1	11	21
70	13	9	6	20	0	0	0	0	0	TRACE	4	4	21
71	8	8	5	1	TRACE	0	0	0	0	0	2	2	8
72	2	7	9	1	0	0	0	0	0	0	3	5	4
73	3	3	2	1	0	0	0	0	0	0	1	6	8
74	8	10	4	3	0	0	0	0	0	TRACE	TRACE	11	11
75	7	9	16	16	0	0	0	0	0	0	13	11	16
76	10	5	10	0	0	0	0	0	0	TRACE	TRACE	4	10
77	7	3	2	TRACE	0	0	0	0	0	0	7	14	14
78	10	7	4	2	0	0	0	0	0	0	8	11	11
79	11	17	13	7	2	0	0	0	0	0	2	2	17
80	8	6	4	5	0	0	0	0	0	0	3	4	8
81	4	4	1	0	0	0	0	0	0	TRACE	4	3	4
82	18	18	9	TRACE	0	0	0	0	0	TRACE			
MEAN	9.3	8.1	6.0	4.0	.3	.0	.0	.0	.1	1.0	3.7	6.5	11.9
S D	4.945	5.128	5.165	5.076	.982	.000	.000	.000	.288	2.238	3.390	4.340	5.241
TOTAL OBS	713	650	713	690	713	690	713	713	690	744	690	712	8431

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- *2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

FROM DAILY OBSERVATIONS

727575
STATION

MINOT AFB ND
STATION NAME

59-82

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
59													
60	W *24WNW	52NNW	31NNW	45NNW	36SSW	36NNE	38NW	39NNW	37NNW	32W	51NW	37	WNW 52
61	NW 38NW	38NW	39NW	40W	39NW	42WSW	46SSW	40NNW	52W	46WNW	45NW	40	WNW 52
62	NNW 50NNE	37NW	33WNW	40NW	40NNW	36WNW	36N	*50NNW	38NNW	45NW	48NW	43	NNW 50
63	NNW 43WNW	45NW	46WSW	37W	49W	52NNW	43WNW	39NNE	42WSW	*35W	41WNW	41	W 52
64	W 53WSW	37NW	43NW	42S	43NNE	44WNW	45W	52W	45W	48WNW	40WNW	43	W 53
65	NW 33WNW	70NW	36NNE	40W	55ESE	46NNE	48W	33NW	40WNW	43WNW	40WNW	36	WNW 70
66	W 41WNW	41N	*53W	*36WNW	*46E	47NNE	40NNW	51WNW	35NW	49NW	40WNW	44	N *53
67	N 50NW	59WNW	44S	44WNW	57WNW	40W	58WSW	41NW	42	WNW	*49WNW	38	
68	WNW*35NW	*41NNW	48NW	39N	48NW	4934*	4836/	4429/	4530/	4929/	3630/	57	37/ 57
69	32/ 3829/	5128/	35 5/	4332/	46 3/	3827/	3922*	4229/	4230/	4632/	5024/	38	29/ 51
70	30/ 3430/	4928/	3729/	62 2*	43 7/	6226/	5230/	3931/	4332/	4721/	5131/	52	29/ 62
71	29/ 4228/	3132/	35 8/	5431/	32 5/	3931*	4820/	3729/	3621/	4929/	5330/	32	8/ 54
72	29/ 4331/	5830/	5130/	4031/	4027/	3614/	4425/	5230/	4431/	3530/	3221/	34	25/ 62
73	31/ 3328/	3514/	35 6/	3913/	4112/	4627/	4114/	4031/	3429/	3328/	4330/	58	30/ 58
74	32/ 4035/	4228/	45 2/	31 4/	3231*	4830/	49 4/	4030/	4332/	3930/	4230/	39	37/ 49
75	31/ 6433/	4634/	4115/	42 9/	4231/	3731/	6732/	7426/	5428/	3829/	3031/	39	32/ 74
76	29/ 4529/	4132/	43 2/	38 2/	5419/	4030/	45 5/	4832/	3229/	5931/	4630/	41	29/ 59
77	31/ 43 1/	44 3/	4933/	4021/	4733/	6331/	4432/	4325/	4131/	4127/	4032/	39	33/ 67
78	32/ 3831/	4130/	4429/	4517/	3934/	5425/	4733/	49 7/	4129/	4027/	5529/	48	27/ 59
79	31/ 3712/	2830/	3935/	3829/	4619/	4030/	3921/	3232/	3531/	4631/	3930/	52	30/ 52
80	30/ 5032/	4531/	4436/	4613/	4227/	5325/	5829/	4428/	4730/	5131/	3830/	44	25/ 58
81	30/ 3231/	4434/	36 1/	47 7/	3529/	4232/	40 8/	3230/	4135/	3734/	3630/	34	1/ 47
82	32/ 4530/	3728/	53 2/	3927/	4120/	3728/	4033/	3232/	3231/	34			
MEAN	42.5	44.1	41.2	42.3	43.5	44.2	45.7	43.4	40.3	43.3	42.7	42.2	54.7
S D	7.801	9.662	6.066	6.290	6.968	7.647	7.716	10.259	5.688	6.496	6.952	7.171	7.722
TOTAL OBS	663	642	703	684	703	681	701	690	681	669	643	675	8135

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

S (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0000-0000
HOURS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.2	1.4	2.3	.5	.2						2.6	11.1
NNE	.2	.2	.2	.6	.3							1.6	11.7
NE	.5	.3	.2	.1								1.2	4.3
ENE		.1	.9									1.3	7.9
E	.5	.3	1.0	.5								2.4	7.7
ESE	.5	1.2	.9	1.7								4.3	8.8
SE	1.0	2.3	1.3	.2								4.7	5.9
SSE	1.2	2.3	.4	.2	.1							4.0	5.3
S	1.0	1.6	1.3	.3	.1							4.3	6.6
SSW	.6	.2	.1	.4								1.4	6.8
SW	1.0	1.5	.3	.4								3.2	5.5
WSW	1.0	1.5	1.6	.9	.1	.2						5.3	7.8
W	1.2	3.7	4.8	2.5	.8	.5						13.4	9.0
WNW	.6	3.2	4.9	5.4	1.8	.5	.1					15.7	11.1
NW	.9	1.2	4.2	5.8	2.4	1.1	.5	.5				16.7	14.0
NNW	.3	1.6	1.0	1.4	1.1	.4	.1					5.9	12.3
VARBL													
CALM												2.4	
	10.9	21.8	24.5	22.8	7.2	3.0	.9	.5				100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

JAN

MONTH

ALL WEATHER
CLASS

0700-2500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.5	1.8	2.0	.8	.4						7.1	12.5
NNE		1.0	.3	.1								1.4	6.9
NE	.3	.3										.3	3.2
ENE	.2	.2	.1									.5	4.2
E	.8	.9	.5	.8								2.9	7.3
ESE	.6	.6	1.5	1.5	.4							4.7	9.6
SE	.9	2.7	1.1	.6	.1							4.7	9.3
SSE	.6	.8	.9	.1								2.4	5.7
S	.8	1.4	1.7	.3								3.4	6.3
SSW	.8	.6	.8	.3	.2							2.7	7.1
SW	.5	.9	.8	.3	.1							2.4	7.1
WSW	1.0	2.4	1.8	.6	.2							6.3	6.7
W	2.7	3.8	4.5	3.3	1.5	.2	.1	.1				15.6	9.4
WNW	1.4	1.7	4.2	5.9	1.4	.1	.4	.1				15.3	11.2
NW	.8	1.7	3.8	6.7	1.7	.9	.8	.4	.1			16.8	13.8
NNW	.4	.9	2.6	.8	.6	.4						5.7	10.3
VARBL													
CALM												7.5	
	1.6	23.6	25.6	23.4	7.1	2.2	1.3	.5	.1			100.1	9.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1600-1600
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.2	2.4	1.5	.2	.2						5.7	9.8
NNE	.1	.3	.2	.1								.8	6.6
NE	.1	.3										.4	4.3
ENE		.2		.1								.5	7.3
E	.3	.8	.6	1.1	.2							3.3	8.8
ESE	.1	.9	1.2	1.0	.3							3.4	9.5
SE	1.1	2.7	1.5	1.3	.2							6.1	7.7
SSE	.9	1.2	.5	.2								2.3	5.3
S	.9	1.1	1.1	.1								3.1	5.7
SSW	.5	.5	.2	.2								1.5	5.7
SW	.6	1.3	.2	1.0		.1						3.2	7.7
WSW	1.1	2.9	1.5	.8	.1	.1						6.3	6.8
W	1.8	3.4	4.3	3.4	1.2	.1	.2					14.5	9.3
WNW	1.4	1.4	4.2	7.1	2.8	.9	.2	.3				18.3	12.7
NW	.4	1.6	3.8	4.9	2.9	1.1	.4	.1	.2			15.5	14.0
NNW	.8	.9	2.9	1.3	.8	.4						7.1	10.4
VARBL													
CALM												6.2	
	10.3	19.9	24.6	24.1	8.7	2.9	.9	.4	.2			100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675 MINCI AFS NC 75-82 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	.6	1.3	1.0	1.4	.1	.2	.1					2.3
NNE	.3	.6	.5	.4	.1							2.1
NE	.1	.1		.2								.4
ENE	.2	.1		.5								.3
E	.1	.3	.4	.6								1.5
ESE	.2	1.3	1.0	1.5	.4	.1						4.5
SE	.4	1.6	1.8	1.4		.1						5.4
SSE	.2	.9	1.2	1.0								3.2
S	1.7	1.3	.3	.8	.1							3.4
SSW	.2	.8	.2	.4								1.5
SW	.8	.3	.3	.5								2.3
WSW	.8	2.1	1.7	1.2	.1							5.4
W	2.0	3.0	3.2	2.9	1.1	.1						12.4
WNW	.6	1.5	3.7	5.1	3.9	1.4	.5	.2	.1			17.1
NW	.3	1.9	4.4	5.4	2.5	1.7	.5	.3	.1			17.2
NNW	.5	1.2	2.2	2.3	1.7	.9	.1					8.3
VARBL												
CALM												3.0
	8.6	18.5	22.9	25.6	9.2	4.5	1.3	.5	.2			170.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 JAN
STATION MONTH
ALL WEATHER CLASS 1200-1400
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.1	1.9	1.7	.4	.2	.2					2.2	12.5
NNE	.1	.5	.1	.1	.1	.1						1.5	6.9
NE	.1	.3	.2	.2	.1							1.5	6.9
ENE	.2	.2	.1	.1								.5	5.8
E		.6	.6	.5								1.5	6.3
ESE		.6	1.6	1.2	.5	.1						4.1	12.8
SE	.3	1.5	1.6	.5	.5							4.5	8.6
SSE	.4	1.2	.9	.8	.1							3.3	8.2
S	.4	1.3	.9	1.4	.1							4.1	5.4
SSW	.4	.8	.5	.4	.1							2.3	7.5
SW	.3	1.5	.9	1.5	.1							3.2	6.7
WSW	.5	.9	1.6	1.6	.1							4.7	9.3
W	.5	1.5	3.4	3.2	1.5	.5						10.9	11.2
WNW	.2	1.4	3.5	4.6	2.2	1.8	.6	.2				14.1	14.7
NW	.3	1.6	3.8	5.7	3.5	3.1	.6		.1			18.8	15.3
NNW	.5	2.3	3.2	3.5	1.6	1.2	.2					12.6	12.1
VARBL													
CALM												6.9	
	5.3	15.9	24.3	26.6	11.1	7.1	1.7	.2	.1			100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675 MINCT AFB ND 73-92 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.4	1.6	1.9	.5	.1	.1					0.8	1.4
NNE	.5	1.1	.3	.4	.2	.1						2.7	6.3
NE	.2	.3	.1		.1							.8	7.3
ENE	.1	.5	.6	.1								1.5	6.2
E	.5	.5	1.3	.5	.2	.1						3.2	6.7
ESE		2.2	1.9	.9								4.9	6.3
SE	.5	.8	1.3	.3								2.4	7.1
SSE	.8	1.1	1.8	.9	.1							4.5	7.9
S	.8	1.2	1.1	1.0		.1						4.1	7.7
SSW	.4	1.1	.2	.3								2.1	6.3
SW	.5	1.1	.3	.3		.2						2.3	7.7
WSW	.4	1.2	1.2	.3	.2							3.3	7.7
W	1.2	3.0	3.3	3.5	1.7	.3						12.4	9.6
WNW	.5	1.4	2.2	4.4	2.6	1.5	.3					13.1	14.3
NW	1.0	2.7	4.1	6.0	3.0	3.7	.6	.2	.1			20.3	14.9
NNW	.2	1.2	3.9	2.3	1.2	.4	.3					9.3	11.7
VARBL													
CALM												5.3	
	8.6	20.1	25.3	23.2	9.1	5.7	1.4	.2	.1			100.7	10.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675 MINOT AFB ND 73-82 JAN
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
1900-2000
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.4	1.8	1.5	.3							0.3	0.3
NNE		.1	.8	.8	.1	.1						1.3	11.6
NE	.6	.5	.3									1.5	4.1
ENE	.2	.9	.3	.3								1.7	6.7
E	.5	1.1	.3	.3								2.3	6.1
ESE	.5	1.4	1.6	1.4	.3							5.3	8.6
SE	.4	1.6	2.3	.5	.1							4.9	7.4
SSE	1.2	1.1	1.5	.3								4.1	6.2
S	1.5	1.4	.5	.4								3.9	5.3
SSW	1.3	1.3	.4	.8	.1							3.9	6.3
SW	.3	1.4	.5	.1								2.4	5.4
WSW	.6	1.5	1.0	.4	.1							3.7	6.7
W	1.4	3.2	4.0	1.4	.5	.3						10.9	8.4
WNW	.9	2.3	4.2	4.0	3.2	1.4	.4	.3				16.7	13.3
NW	.8	2.2	3.1	4.8	3.8	2.2	.5	.1	.1	.1		17.6	14.7
NNW	.2	.5	1.7	1.5	.9	.6						5.5	12.7
VARBL													
CALM												7.6	
	11.8	21.8	24.4	18.6	9.5	4.6	1.0	.4	.1	.1		110.0	9.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
2100-2300
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.7	1.4	1.8	.6	.4						6.1	10.6
NNE	.1	.4	.6	.1	.2							1.5	8.9
NE	.1	.6	.3	.1	.1							1.3	7.5
ENE	.1	.2	.2	.5								1.1	9.8
E	.5	1.1	.3	.3								2.3	6.2
ESE	.8	1.3	1.5	1.2	.1							4.8	6.1
SE	.8	1.9	1.2	.4	.1							4.4	6.5
SSE	.8	1.7	1.2	.6								4.3	6.9
S	2.0	2.3	.2	.2								4.7	4.2
SSW	.9	1.1	.6	.3								2.9	5.7
SW	.6	.6	.8	.4	.2							2.7	7.7
WSW	1.2	1.7	1.3	1.1								2.3	6.9
W	1.8	2.6	4.6	1.8	.8	.2						11.8	8.4
WNW	.8	2.5	4.2	4.3	2.8	.5	.5	.2				15.8	12.6
NW	.5	1.5	3.7	5.4	3.1	1.8	.6	.4				17.1	14.8
NNW	.4	.6	2.0	1.9	.9		.1					6.0	11.3
VARBL													
CALM												7.8	
	11.5	21.9	24.2	20.6	8.9	3.0	1.3	.6				100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	1.8	1.8	.4	.2	.1					5.2	15.2
NNE	.2	.5	.4	.3	.1	.7						1.6	8.9
NE	.3	.4	.1	.1	.7							.9	5.9
ENE	.1	.3	.3	.2								.9	7.5
E	.4	.7	.6	.6	.1	.7						2.4	7.8
ESE	.3	1.2	1.4	1.3	.3	.7						4.5	9.2
SE	.7	1.7	1.5	.7	.1	.7						4.7	7.3
SSE	.8	1.2	1.5	.5	.7							3.6	6.8
S	1.1	1.4	.8	.6	.7	.7						3.9	6.3
SSW	.6	.8	.4	.4	.1							2.3	6.5
SW	.6	1.7	.5	.5	.1	.7						2.7	7.1
WSW	.8	1.7	1.5	.9	.1	.7						5.1	7.4
W	1.5	3.0	4.0	2.8	1.7	.3	.7	.7				12.7	9.2
WNW	.8	1.9	3.8	5.1	2.6	1.7	.4	.2	.7			15.8	13.7
NW	.6	1.7	3.8	5.6	2.9	1.9	.6	.3	.1	.7		17.6	14.5
NNW	.4	1.1	2.4	1.9	1.7	.6	.1					7.5	11.6
VARBL													
CALM												7.5	
	9.8	20.2	24.5	23.1	8.9	4.2	1.2	.5	.1	.7		100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINGT AFB ND 73-82 FEB
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.9	1.4	2.7	.1	.4	.1					7.3	10.2
NNE	.6	.6	.6	.4								2.1	6.3
NE	.2	.7	.2									1.2	5.1
ENE	.1	.8	.8	.1								1.9	6.6
E	.1	1.2	3.0	1.7	.1							6.2	9.3
ESE	.9	1.9	1.7	1.8	.8	.1						7.2	9.4
SE	.5	1.2	2.3	1.4	.7	.4						6.3	10.3
SSE	.5	1.5	.7	.8								3.5	7.1
S	.6	2.1	.9	.1	.1							3.3	6.2
SSW	.5	.9	.8	.2								2.5	6.6
SW	.6	1.2	.8	.7								3.3	7.1
WSW	1.1	1.5	2.7	1.4		.1	.2					7.1	8.8
W	1.4	2.7	3.8	2.4	.4	.1						10.8	8.4
WNW	.4	2.4	4.1	3.9	1.1	.5	.2	.1				12.6	11.3
NW	.5	1.4	4.0	3.5	1.8	.9	.4					12.5	12.5
NNW	.2	.6	2.1	1.7	.8	.2						5.7	11.2
VARBL													
CALM												6.1	
	9.0	22.6	29.8	22.8	5.9	2.7	.9	.1				100.2	9.3

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675 MINOT AFB ND 73-82 FEB
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1330-0500
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.4	1.8	1.9	.2	.1						7.3	6.3
NNE	.1	.9	.8	.5								2.4	7.7
NE	.2	.5	.1									.8	4.4
ENE	.1	.7	.9			.1						1.9	7.9
E	.4	1.7	2.5	1.9		.1						6.5	8.7
ESE	.4	.5	2.1	2.2	.2	.1						5.6	10.6
SE	.5	1.2	2.4	1.1	.8	.6						6.5	10.6
SSE	1.1	.9	1.5	1.1								4.5	7.3
S	.5	1.9	.7	.2								3.3	5.9
SSW	.6	.6	.5	.1								1.8	5.6
SW	.4	.9	1.8	.6								3.7	7.5
WSW	.6	2.0	2.1	1.3	.1							5.1	7.9
W	1.4	3.9	3.3	3.0	.8	.2						12.6	8.6
WNW	.6	3.0	4.4	3.4	1.3	.5						13.1	10.6
NW	.5	1.4	3.3	3.0	1.9	1.1	.4					11.5	13.0
NNW	.1	.9	1.3	2.2	.7	.1						5.4	11.5
VARBL													
CALM												6.9	
	8.3	23.4	29.6	22.5	6.1	3.7	.4					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 646

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF- WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 727575 MINOT AFB ND STATION NAME 73-82 YEARS FEB
CLASS ALL WEATHER MONTH 2600-2800
CONDITION MOON (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.1	2.1	2.2	.4							7.8	5.7
NNE	.1	.8	.7	.2		.1						2.3	0.2
NE	.4	1.2	.4	.1								2.3	5.6
ENE	.2	.1	.7	.1								1.2	7.5
E	.2	1.2	3.4	2.4	.1							7.3	9.3
ESE	.2	.9	1.8	2.4	.2	.2						5.8	11.2
SE	.5	.9	2.2	1.2	.5	.5						5.8	10.6
SSE	.7	1.4	.4	1.2	.1							3.3	7.6
S	.8	1.5	.9	.5								3.8	6.3
SSW	.2	.7	.8			.1						1.9	7.7
SW	.6	.8	.8	.5	.4							3.1	8.4
WSW	.8	1.7	1.9	1.2	.2							5.7	7.9
W	1.1	3.5	4.4	1.9	.7	.2						11.8	8.6
WNW	.5	3.2	4.3	4.3	1.4	.7	.1					14.4	10.9
NW	.6	2.7	2.5	2.2	2.0	.8	.6	.1				11.5	12.7
NNW	.6	1.2	1.7	1.7	.6	.1						5.8	9.9
VARBL													
CALM												0.3	
	8.5	24.1	28.8	22.0	6.6	2.8	.7	.1				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 646

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675 MINDT AFB ND 73-82 FEB
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1900-1900
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.2	3.1	1.5	.2	.1						7.4	8.8
NNE	.7	1.2	1.1	.1								3.1	5.9
NE	.5	.4	.5	.1								1.4	5.4
ENE	.2	.5	.7	.7								2.1	8.4
E	.2	.5	2.2	3.2	.5							6.6	11.0
ESE	.5	.7	2.2	1.8	.5	.2						8.0	10.2
SE	.2	1.7	1.4	1.5	.6	.4						5.8	10.7
SSE	.2	.7	1.1	1.1								3.1	7.1
S	.8	.7	1.1	.8	.4							3.8	6.5
SSW	.4	1.2	1.3	.2		.1						3.2	7.3
SW	.7	.8	.4	.8	.1							2.8	7.7
WSW	.6	1.8	1.9	1.2	.2							5.7	8.2
W	.8	1.8	4.4	5.0	.5	.2						12.6	10.3
WNW	.2	1.5	2.1	4.0	1.8	1.4	.2	.1				11.5	14.1
NW	.4	1.2	2.6	5.4	1.9	1.5	.7					13.7	14.1
NNW	.2	.9	1.9	2.6	.8							6.5	11.0
VARBL													
CALM												4.6	
	7.1	17.7	27.9	30.1	7.4	4.0	.9	.1				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 523
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1200-1400
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.4	2.6	3.0	.2							7.8	9.4
NNE	.8	.8	.8									2.5	5.3
NE	.4	.7	.2	.2								1.3	5.6
ENE	.2	.2	.7	.9	.1							2.2	9.8
E	.4	.5	2.5	2.2	.5							6.1	10.3
ESE	.2	.7	1.8	3.0	.7	.4						6.7	12.1
SE	.4	.7	1.4	1.3	.6	.2	.2					4.8	10.1
SSE	.1	.1	.9	1.7	.7							3.3	12.3
S	.4	1.2	1.3	1.4	.4							4.6	9.4
SSW		.2	.9	.9	.4							2.3	11.7
SW		.5	1.2	.8	.1							2.6	10.2
WSW	.1	.6	2.3	1.2	.2							4.1	9.5
W	.7	1.1	4.3	4.3	1.1	.4						11.7	11.2
WNW	.5	.8	1.7	3.5	3.5	1.8	.1	.1				12.1	15.5
NW	.5	.6	1.2	5.8	3.5	1.5	.7					13.8	15.7
NNW		1.8	2.0	3.2	2.3	.5						9.5	12.4
VARBL													
CALM												3.9	
	5.2	11.9	25.5	33.5	14.1	4.7	1.1	.1				100.2	11.5

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 727675 MINOT AFB ND STATION NAME 73-82 YEARS FEB NORTH
ALL WEATHER CLASS 1500-1700 HOURS (L & T)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.7	3.5	2.7	.2	.2	.1					2.7	9.2
NNE	.1	1.4	.9	.5								3.1	7.2
NE	.5	.7	.1	.2								1.7	5.2
ENE		.6	.1	1.7								2.4	11.9
E	.5	.7	2.0	2.0	.6							5.9	10.4
ESE	.2	.9	3.7	2.8	.9	.4	.1					8.4	11.8
SE	.2	.5	1.2	1.8	.2		.2					4.1	11.6
SSE	.4	.9	.6	.5	.5							2.5	9.1
S	.1	.7	1.9	2.1								5.1	9.7
SSW	.1	.6	.5	.7								1.9	5.5
SW	.5	.6	1.1	.9								3.1	5.4
WSW	.5	.8	.9	.7								3.1	5.1
W	.3	1.2	2.8	5.0	.3	.5						11.1	11.3
WNW	.4	.7	1.9	4.5	2.6	1.4	.2					11.7	14.7
NW	.4	.4	3.1	5.7	2.6	2.7	1.1	.2				15.4	15.7
NNW	.4	1.2	2.4	2.8	1.5	.1						8.4	11.3
VARBL													
CALM												3.4	
	6.1	13.8	26.0	33.9	10.0	4.6	1.9	.2				100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-80 PER MONTH
STATION STATION NAME YEARS
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.3	3.5	1.3	.1	.1						2.2	7.5
NNE	.4	.8	1.4	.6								3.2	7.8
NE	.2	.2	.7									1.2	6.8
ENE	.2	.1	.1	.8								1.3	10.8
E	.2	.9	3.2	2.8	.1							7.3	13.2
ESE	.8	1.5	1.5	3.1	.8	.2	.2					5.3	11.4
SE	.2	1.7	1.5	.6	.4		.1					4.5	9.9
SSE	.4	1.8	1.3	.9	.2							4.5	8.2
S	.6	1.8	1.4	.6	.1							4.5	7.2
SSW	.2	.4	.7	.5								1.4	6.3
SW	.4	.4	.7	.5								1.4	7.4
WSW	.9	1.3	2.1	.8								5.2	7.1
W	.8	2.7	4.1	2.7	.2	.2						1.9	8.6
WNW	.1	2.1	4.3	3.8	1.1	.5	.2					11.8	11.5
NW	.2	1.4	3.2	4.3	3.2	.7	.6	.2				13.8	14.4
NNW	.5	1.1	2.0	.9	.6	.1	.2					5.4	1.4
VARBL													
CALM												4.7	
	7.6	21.4	31.7	24.2	6.9	1.9	1.4	.2				172.2	9.5

TOTAL NUMBER OF OBSERVATIONS 546

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB MO 73-82 822
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
2100-2300
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.6	2.0	1.9								7.5	7.8
NNE	.5	.9	1.5	.1								3.1	6.5
NE	.1	.5	.8									1.4	6.3
ENE	.1	.5	.5	.2								1.3	7.6
E	.4	.3	2.6	1.5								5.3	5.9
ESE	.1	1.1	1.4	2.1	1.1	.4						6.2	12.3
SE	.7	2.1	2.5	.9	.6	.4						7.2	9.1
SSE	.7	1.4	.9	1.2	.1							4.4	8.0
S	1.3	1.7	.7	.4								4.0	5.1
SSW	.5	.8	.5	.2	.2							2.2	7.6
SW	.7	.7	.6	1.3								3.3	7.9
WSW	.3	1.5	1.5	.9	.1							3.0	7.6
W	1.2	3.6	5.2	1.9	.4	.1						12.3	7.9
WNW	.8	2.7	5.1	3.8	1.1	.4		.1				13.3	10.6
NW	.1	1.4	2.2	3.6	2.1	1.5	.2	.5				11.7	14.8
NNW	.4	1.3	1.8	1.5	.4	.2						5.6	9.9
VARBL													
CALM												6.3	
	9.3	23.1	29.9	21.7	6.0	3.0	.2	.6				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 845

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727573 MINCI AFB MO 13-82
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
FEB
MONTH
ALL
HOURS (LST)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	.6	2.7	2.5	2.1	.3	.1	.1					7.2
NNE	.4	.3	1.2	.3		.7						6.3
NE	.3	.6	.4	.1								6.6
ENE	.3	.4	.6	.6	.7	.7						6.9
E	.7	.9	2.7	2.2	.2	.2						9.4
ESE	.4	1.3	1.9	2.4	.7	.3	.3					11.1
SE	.4	1.2	1.8	1.2	.5	.3	.1					10.4
SSE	.6	1.1	.9	1.7	.7	.2						7.9
S	.6	1.5	1.1	.8	.1							7.4
SSW	.3	.7	.8	.4	.1	.7						6.2
SW	.3	.7	.9	.8	.1							6.7
WSW	.7	1.4	1.9	1.1	.1	.7	.1					6.1
W	1.7	2.6	4.7	3.3	.6	.3						9.3
WNW	.4	2.3	3.4	3.9	1.7	.9	.1	.1				10.3
NW	.4	1.3	2.8	4.2	2.4	1.3	.6	.1				14.2
NNW	.7	1.1	1.9	2.1	.9	.2	.7					10.1
VARBL												
CALM												3.3
	7.6	12.7	28.7	26.3	7.9	3.3	.9	.2				22.7

TOTAL NUMBER OF OBSERVATIONS 6767

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 MAR
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1000-0200
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	~	MEAN WIND SPEED
N	.4	1.5	1.6	1.0	.9	.3						5.7	10.0
NNE	.2	1.1	.8	.5	.4	.2						3.3	10.4
NE	.1	.3	.4	.2		.1						1.2	9.2
ENE	.2	.3	.1	.5		.3						1.0	11.4
E	1.0	1.0	2.6	2.0								6.5	8.6
ESE	.8	1.8	1.6	1.2	.4							5.9	8.3
SE	1.2	2.2	2.1	2.2		.2						7.8	8.0
SSE	1.2	2.3	1.5	1.6	.2							7.4	7.3
S	1.4	2.1	1.3	1.2	.4							6.4	7.4
SSW	1.0	1.0	.8	.3	.1	.1						3.3	7.1
SW	1.3	1.4	.5	.4	.2							3.6	6.9
WSW	.2	1.3	1.2	.5	.2	.2						3.7	9.1
W	1.1	2.6	4.2	2.0	.9	.2	.1					11.1	9.0
WNW	1.0	1.6	2.9	2.9	.9	.4	.2	.1				11.1	11.2
NW	.7	.9	1.1	3.8	1.7	.5						8.7	12.6
NNW	.5	.9	2.0	2.5	.1	.2						6.2	10.2
VARBL													
CALM												7.6	
	12.0	22.9	24.8	23.0	6.5	2.8	.3	.1				100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 919

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 4A2
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0300-0500
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.2	2.6	2.3	.7	.7						8.6	15.3
NNE	.4	.7	.3	.1	.3	.1	.1	.1				2.2	11.1
NE	.3		.7	.2								1.2	7.4
ENE	.4	.4	1.0	.5		.3						2.7	9.6
E	1.1	1.5	1.6	1.4								5.6	7.6
ESE	1.2	1.6	1.3	1.3	.3	.1						5.9	7.9
SE	1.5	2.8	2.4	1.2	.1							8.1	6.6
SSE	.9	1.2	1.1	1.5								4.7	8.1
S	1.1	1.5	1.4	1.1	.1							5.2	7.2
SSW	.7	1.1	.5	.9	.1	.2						3.5	9.3
SW	.4	1.2	.7	.1	.2							2.6	6.7
WSW	.8	1.2	2.1	.5	.1							4.7	7.1
W	1.8	3.1	2.7	1.5	.7	.4						9.3	8.4
WNW	.4	2.4	2.9	3.7	1.2	1.2						11.3	11.6
NW	.7	.5	3.0	3.0	2.7	.5						9.8	12.5
NNW	.5	.8	1.2	1.7	.3	.2	.1					4.9	10.6
VARBL													
CALM												8.8	
	12.9	22.3	25.5	20.3	6.1	3.8	.2	.1				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

727575 MINOT AFB ND 73-82 MAC
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
507-0000
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.7	1.2	2.3	.5	.4						7.4	9.5
NNE	.3	.3	.4	.1	.3	.3		.2				2.1	14.0
NE	.7	.8	.5	.3	.4							2.7	8.4
ENE	.4	1.7	1.1	.3								2.8	7.2
E	.5	2.2	1.3	1.1		.1						5.2	7.9
ESE	.8	2.6	1.7	1.0	.3							6.4	7.3
SE	1.3	3.2	2.0	1.1	.2							7.6	6.9
SSE	.4	1.7	1.4	2.1	.3							6.2	9.9
S	1.2	2.2	1.3	.8								5.4	6.4
SSW	.5	.7	.5	.4		.2						2.4	6.3
SW	.4	.9	.7	.1	.1	.1						2.3	7.1
WSW	.4	1.7	1.8	1.1	.2							5.3	8.3
W	.9	2.4	3.0	2.3	.3							8.9	6.5
WNW	.5	1.8	2.7	3.5	2.1	.7						11.3	11.9
NW	.2	.7	2.5	4.3	1.2	1.7	.2					10.1	13.3
NNW	.5	1.4	1.0	1.3	.8	.3	.1					5.4	11.1
VARBL													
CALM												7.4	
	10.4	24.3	23.2	22.0	6.8	3.1	.3	.2				100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82
STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
MAC
MONTH
1983-1122
HOURS (L E Y)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	1.4	2.4	1.3	.5						7.3	12.3
NNE	.4	.9	.5	.8	.3	.1	.1	.2				3.4	12.2
NE	.7	.2	.1	.4	.3	.1						1.8	9.8
ENE	.7	.9	1.0	.4								4.3	6.6
E	.4	.9	1.8	1.3								4.5	5.6
ESE	.3	1.0	2.4	1.8	.9	.2	.1					6.7	11.3
SE	.5	1.8	3.0	1.5	.3							7.3	6.6
SSE	.7	1.5	2.1	1.4	.8	.1						6.6	9.5
S	1.2	1.8	1.7	1.6	.3							6.7	7.9
SSW	.4	.7	.4	.4	.8		.1					2.8	12.8
SW	.1	.5	.4	.1	.2	.2						1.6	13.5
WSW	.2	.7	1.3	1.1	.2							3.7	9.5
W	1.1	1.6	2.2	3.4	1.7		.1					9.3	10.1
WNW	.2	.7	1.5	5.6	1.7	.9	.2					13.4	13.8
NW	.1	1.7	2.0	4.3	2.6	1.2	.3					11.5	14.7
NNW	1.3	.8	1.2	2.7	1.3	.3	.1					7.1	11.5
VARBL													
CALM												5.4	
	5.6	16.2	23.1	29.4	11.3	3.7	1.1	.2				170.3	12.3

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 MAC
STATION STATION NAME YEARS MONTH
ALL WEATHER 1200-1400
CLASS HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.0	2.3	3.3	1.1	.3						9.8	11.1
NNE	.3	.4	.8	.5	.5	.1						2.7	11.1
NE	.5	.7	.4	.4	.1	.1	.2	.1				2.6	12.8
ENE	.4	.5	.3	.5	.1							2.0	7.8
E	.5	1.4	1.1	1.4	.4							4.9	9.2
ESE	.5	1.3	2.6	2.4	.7	.7						8.1	11.0
SE	.2	1.5	2.3	1.6	.5	.2						6.4	12.2
SSE	1.0	.8	1.5	1.5	.7	.4						5.4	11.1
S	.5	1.0	2.4	2.3	1.0	.4						7.6	11.2
SSW	.1	.3	1.2	.9	.4	.1						3.0	11.7
SW	.7	.8	.7	.7	.1							2.8	7.6
WSW	.4	.8	1.0	1.2	.3							3.7	9.3
W		1.7	2.1	2.8	1.4	.2	.1	.1				7.7	12.7
WNW	.4	.9	1.2	3.7	2.1	.8	.1					9.1	14.0
NW	.4	.9	1.4	4.3	2.6	1.6		.1				11.4	14.9
NNW	.8	1.2	1.5	3.9	.5	.7	.2					8.8	12.0
VARBL													
CALM												4.9	
	7.8	13.9	22.7	31.5	12.6	5.6	.7	.3				100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 429
STATION STATION NAME YEARS MONTH
ALL WEATHER 1500-1700
CLASS HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.4	1.4	3.5	.5							9.4	11.3
NNE	.8	1.3	.8	.4	.8	.4	.2					4.7	11.3
NE	.3	.5	.7	.3		.1						2.0	7.9
ENE	.3	.8	.8	.7	.3							2.8	8.7
E	.3	1.7	2.7	1.5	.9	.1						6.5	9.8
ESE	.3	1.7	2.1	2.5	1.1	.3	.2					7.5	11.9
SE	.4	1.5	1.4	2.2	.7	.2						6.4	11.2
SSE	.4	.7	2.0	1.8	.5	.2						5.6	11.2
S	.1	.7	2.5	2.2	.4	.3						6.2	11.2
SSW	.4	.5	1.2	.3	.1							2.6	7.7
SW	.1	.4	.7	1.2								2.4	10.3
WSW	.3	1.5	1.0	1.3	.4	.2						4.8	9.9
W	.5	.7	1.5	2.7	.9	.4		.3				7.1	13.1
WNW	.2	.5	1.2	3.0	1.4	1.1	.1					7.6	14.5
NW	.8	.9	2.2	5.6	2.7	1.7	.4	.1				12.9	13.9
NNW	.7	1.2	2.5	3.3	1.4	1.1	.1					10.2	12.5
VARBL													
CALM												4.1	
	6.8	14.3	23.7	32.6	11.4	5.5	1.1	.4				10.3	11.2

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-92 MAP
STATION STATION NAME YEARS NORTH
ALL WEATHER
CLASS
CONDITION
1800-2000
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.5	2.3	2.2	.3	.2						3.5	6.5
NNE	.8	1.5	1.3	1.3	.4	.2	.2					5.9	9.7
NE	.9	1.3	.3	.1		.1						2.7	5.7
ENE	.7	1.6	.8	.4		.1						3.6	7.1
E	.9	1.4	3.3	2.2	.8							8.5	9.3
ESE	.7	2.1	2.6	2.7	.9	.2						9.1	10.2
SE	.7	1.8	2.5	1.1	.4	.1						6.6	8.6
SSE	.5	2.0	2.1	.9	.2	.1						5.3	7.9
S	.4	3.1	1.8	.9	.1							6.4	7.3
SSW	.4	.8	.9			.2						2.3	7.7
SW	.2	1.7	.3	.3								1.6	6.4
WSW	.2	1.6	1.4	.4	.7	.1						4.5	8.9
W	.3	1.4	1.7	2.7	.3	.1						6.6	10.3
WNW	.5	1.4	1.7	1.8	.8	.2		.3				6.1	11.8
NW	.3	1.5	3.3	4.2	1.2	1.1						11.6	12.8
NNW	.2	.9	1.7	2.2	.8	.2						6.0	11.4
VARBL													
CALM												4.1	
	8.7	26.1	27.3	23.5	6.8	3.0	.2	.3				170.0	9.1

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675 MINOT AFB ND 73-82 4A2
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1107-2320
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.5	2.2	2.1	.3							6.4	9.1
NNE	.5	.5	.5	1.0	.7	.3						3.5	11.7
NE	.1	.9	.7	.3	.2							2.2	8.8
ENE	.7	.7	1.1	.5	.1	.2						3.3	8.7
E	1.0	1.3	1.7	1.2								5.2	7.4
ESE	.9	2.7	2.5	2.2	.7	.1						9.0	7.1
SE	.9	3.4	2.0	1.6	.5	.1	.1					3.5	8.6
SSE	1.3	3.2	1.4	.8								5.5	6.2
S	.8	2.3	1.2	.5	.4							5.2	7.4
SSW	.7	1.2	1.3	.4	.4							4.7	7.8
SW	.5	1.6	.1	.4	.1							2.8	6.3
WSW	.2	1.3	1.2	.5	.2							3.5	6.3
W	.7	2.6	3.0	2.3	.4	.4						9.5	9.3
WNW	.2	1.6	1.3	1.8	.3	.2		.2				5.3	11.2
NW	.7	.7	3.5	4.7	1.2	.5	.1					10.7	12.2
NNW	1.0	.7	2.0	1.4	.7	.1						5.3	9.8
VARBL													
CALM												7.8	
	10.3	26.1	25.7	21.2	6.3	2.1	.2	.2				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 919

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675 MINOT AFB ND 73-82

STATION STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

MA 9

BORTH

ALL

HOURS (L E T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.5	1.9	2.3	.7	.3						7.4	10.2
NNE	.5	.9	.7	.6	.5	.2	.1	.1				3.5	11.1
NE	.4	.6	.5	.3	.1	.1	.2	.7				2.1	8.5
ENE	.5	.8	.8	.5	.1	.1						2.7	8.2
E	.7	1.4	1.9	1.5	.3	.3						5.9	8.6
ESE	.7	1.8	2.1	1.9	.7	.2	.3					7.3	9.7
SE	.9	2.3	2.2	1.6	.4	.1	.3					7.4	8.4
SSE	.3	1.6	1.6	1.5	.3	.1						5.9	8.7
S	.8	1.8	1.7	1.3	.4	.1						6.2	8.3
SSW	.5	.9	.9	.5	.2	.1	.3					3.7	8.8
SW	.4	1.3	.5	.4	.1	.7						2.5	7.5
WSW	.4	1.3	1.4	.8	.3	.1						4.2	5.8
W	.8	1.9	2.6	2.4	.7	.2	.3	.1				8.7	10.0
WNW	.4	1.4	1.8	3.3	1.2	.7	.1	.1				9.5	12.5
NW	.5	.8	2.4	4.2	1.8	.9	.1	.0				10.8	13.4
NNW	.7	1.7	1.6	2.4	.7	.4	.1					6.8	11.3
VARBL													
CALM												6.7	
	9.7	20.7	24.5	25.4	8.5	3.7	.5	.2				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 7364

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

727575
STATION

MINDI AFB ND
STATION NAME

73-82
YEARS

APR
MONTH

ALL WEATHER
CLASS

0000-2359
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.8	3.2	1.2	.9	.4						12.3	6.7
NNE	.9	.7	.4	.2								2.2	5.4
NE	.6	1.0	.2	.5	.1							2.4	7.1
ENE	.9	1.6	.6	.2	.2	.1						3.5	6.9
E	.7	1.4	1.9	1.4	.3							5.5	8.7
ESE	.3	1.4	1.6	1.7	1.6	.3						6.9	11.5
SE	1.0	3.4	2.3	1.1	.3	.1						6.3	7.5
SSE	2.3	3.8	.8	.4	.1	.2						7.7	5.7
S	1.4	1.6	.9	.7	.8	.1						5.4	6.3
SSW	.2	.6	.8	1.0	.1							2.7	8.8
SW	.4	1.7	.9	.6								3.2	6.6
WSW	.9	2.3	1.6	.2								5.2	5.8
W	.9	2.9	1.9	.7		.1						6.4	6.8
WNW	.7	2.1	2.0	1.6	.6							6.9	6.7
NW	1.0	3.3	2.9	1.8	.3	.1						9.4	6.0
NNW	.3	1.4	1.8	1.1	.4	.1						5.2	9.1
VARBL													
CALM												3.4	
	14.3	31.7	23.7	14.4	5.8	1.7						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 922

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675 MINOT AFB ND 73-82 APP
STATION STATION NAME YEARS NORTH
ALL WEATHER
CLASS
CONDITION
HOURS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.3	1.4	1.7	.4	.2						6.8	7.8
NNE	.6	1.2	.6	.8	.2	.2						3.6	9.1
NE	.9	.2	.4	.2								1.6	5.6
ENE	.8	1.1	.8	.3								3.1	5.9
E	.6	1.8	1.9	1.4	.4							6.1	7.2
ESE	1.5	2.0	1.2	2.4	.6							7.2	8.8
SE	1.3	2.1	2.2	1.1	.4	.3						7.6	8.3
SSE	1.1	1.1	.4	.3	.1							3.4	5.8
S	.6	1.3	1.1	.7	.1	.1						3.9	6.3
SSW	.3	.6	1.0	1.3	.1							3.3	7.4
SW	.4	.2	.8	.9								2.3	6.8
WSW	1.5	2.7	1.2	.6								5.4	6.2
W	1.8	3.9	2.1	.8								6.6	6.3
WNW	.9	1.4	1.8	1.8	.3							6.2	5.7
NW	1.5	3.2	3.4	2.1	.4	.1						10.3	5.4
NNW	.7	2.1	1.9	1.3	.4	.2						6.7	5.2
VARBL													
CALM												12.1	
	14.6	28.3	22.3	17.8	3.7	1.2						170.3	7.3

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 APR
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
0600-2600
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.1	3.2	2.3	.2							12.1	8.3
NNE	1.0	.9	.2	.4	.4	.2	.1					3.3	9.3
NE	.9	.9	.6	.1								2.4	9.2
ENE	.8	.7	1.2	.5	.1							3.3	7.4
E	.8	1.7	1.7	1.3	.8	.3						6.6	9.9
ESE	.6	1.8	1.8	2.0	.7	.1						6.9	10.0
SE	.8	2.7	2.3	1.8	.4	.3						7.7	9.3
SSE	.8	1.2	1.2	.4								3.7	6.6
S	.4	1.2	1.3	.7	.2	.1						4.2	8.4
SSW	.3	.3	.3	.3								1.3	7.2
SW	.2	1.1	1.0	.7								3.3	7.8
WSW	1.1	1.8	.9	.6	.2							4.6	6.7
W	.9	2.2	3.1	1.3	.1	.1						7.8	7.8
WNW	.7	1.6	2.3	2.3	.2							7.1	9.3
NW	.6	2.2	3.4	2.8	.6	.6						10.1	10.0
NNW	.8	2.4	2.3	.4	.8	.4						7.2	9.1
VARBL													
CALM												10.9	
	11.8	25.1	47.0	18.1	4.8	2.2	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-52
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION

APR
MONTH
000-100
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.0	4.6	3.3	1.1	.3						15.7	1.83
NNE	.8	1.0	1.6	1.9	.1	.1						3.4	9.3
NE	.4	1.1	.1									1.7	4.3
ENE	.9	.6	.9	1.2	.2							3.3	8.4
E	1.0	1.8	2.0	2.0	1.0							7.6	9.5
ESE	.4	1.9	1.3	3.3	1.1	.8	.1					9.0	12.4
SE	.3	1.3	2.2	2.4	1.0	.3						7.7	11.3
SSE	.3	1.3	1.2	1.9	.1		.1					5.0	9.9
S	.1	.1	2.2	2.2	.3							5.0	11.1
SSW	.3	.6	1.2	1.8	.2	.1						4.2	10.5
SW	.2	.3	1.0	.6	.1							2.2	9.2
WSW	.3	1.0	1.0	.8	.2							3.3	8.4
W	.7	1.4	2.0	.9	.2	.4	.2					5.6	10.2
WNW	.6	.2	.8	1.6	1.4	.4						5.1	13.6
NW	.6	1.2	2.0	4.0	1.2	.9						10.1	12.6
NNW	.4	2.3	1.6	2.0	1.8	.3						5.6	11.0
VARBL													
CALM												2.7	
	9.2	18.8	26.1	29.8	10.2	3.8	.4					170.0	10.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 APP
STATION MONTH
STATION NAME YEARS
ALL WEATHER CLASS 1222-1422
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.6	4.8	3.8	1.6	.4						1.2	1.1
NNE	.2	1.1	.8	1.1	.4	.3						1.9	1.1
NE	.7	1.2	1.7	.7								1.5	6.8
ENE	.2	.6	1.4	.8	.2							1.2	9.4
E	.8	1.7	2.6	2.3	.4	.4						6.2	1.1
ESE	.1	.9	2.3	2.1	1.4	1.2						5.1	13.5
SE	.7	1.0	3.1	2.7	.7	.6	.2					9.7	11.8
SSE		1.4	1.7	2.1	.8		.1					6.1	11.1
S	.1	.4	1.8	1.7	.4	.1						4.0	11.1
SSW	.1	.2	1.1	1.3	.3							3.1	11.5
SW	.2	.1	1.0	.7								2.0	8.9
WSW	.3	.4	.8	1.7								2.8	8.6
W	.3	1.7	1.4	2.7	.4	.2	.1					9.4	11.5
WNW	.3	.4	.9	2.2	1.9	.8	.2					6.3	15.4
NW	.4	.6	2.7	.8	2.7	1.1						7.6	14.4
NNW	.7	1.2	4.1	2.4	.9	.7						10.2	12.8
VARBL													
CALM												3.1	
	5.7	13.8	30.8	27.7	12.4	5.9	.7					170.1	11.2

TOTAL NUMBER OF OBSERVATIONS 422

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 APP
STATION STATION NAME YEARS MONTH
ALL WEATHER 1500-1700
CLASS HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.6	4.1	3.9	1.2	.3						12.2	12.6
NNE	.2	.8	1.2	2.2	.6	.1						5.1	11.6
NE	.2	.6	.7	.7								2.1	8.3
ENE	.2	.8	.9	1.6	.4	.1						4.0	11.0
E	.6	1.9	2.3	2.6	.3	.1						7.8	9.5
ESE	.3	.8	1.8	4.0	1.8	.4	.6					9.7	13.9
SE	.2	1.4	1.2	2.1	1.4	.2	.2					6.9	12.3
SSE	.6	.8	1.6	2.3	.6	.3	.1					6.2	11.8
S	.4	.4	2.3	1.3	.4	.1						5.1	10.3
SSW	.2	.4	.7	.9	.7							2.4	9.9
SW			.7	.6								1.2	10.6
WSW	.2	1.3	.8	1.2	.1							3.7	8.5
W	.2	1.1	1.4	2.2	.1	.3						5.9	11.2
WNW	.1	.7	1.0	2.6	1.3	.8						6.4	13.9
NW	.3	1.0	2.1	3.7	2.3	1.2	.1					10.8	14.0
NNW	.3	1.4	2.6	2.2	.7	.9						8.1	11.6
VARBL													
CALM												2.7	
	5.1	15.0	25.3	34.0	11.9	5.2	1.0					100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675 MINOT AFB MO 73-82 APR 1800-2000
STATION NAME YEARS MONTHS
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.6	3.7	2.9	.4			.1				1.5	9.3
NNE	1.0	1.3	2.1	1.0	.6	.2	.1					6.3	9.4
NE	.8	1.2	.9	.2								3.1	5.9
ENE	.3	1.7	2.0	1.4	.3							5.8	8.7
E	.9	2.9	3.0	1.7	.6	.2						9.2	8.6
ESE	.9	1.9	2.3	2.8	1.2	.8						9.9	11.2
SE	.7	1.6	1.9	2.1	.6							6.8	9.5
SSE	.2	1.7	2.1	1.0	.3	.8						5.1	10.7
S		1.1	1.0	1.2	.7							3.5	9.6
SSW	.2	.2	.2	.3	.1							1.1	8.5
SW	.4	.6	.4									1.4	5.5
WSW	.2	.3	.7	.2								1.4	7.2
W	.8	.9	1.2	1.7		.1						4.0	8.2
WNW	.6	1.1	2.3	2.1	.7	.3						7.1	10.6
NW	.8	2.2	3.0	3.2	1.3	.6						11.1	10.7
NNW	.4	1.9	1.8	2.3	1.7	.4						7.9	10.9
VARBL													
CALM												4.5	
	9.0	23.2	28.7	23.6	7.3	3.5	.1	.1				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

727575 MINOT AFB ND 73-82
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
APR MONTH
2100-2300
HOURS (LST.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.9	1.9	1.3	.4							8.7	7.5
NNE	1.0	.9	.8	.8	.2							3.7	7.4
NE	.6	1.7	1.1	.4								3.0	6.4
ENE	.2	1.7	1.2	.9	.2	.2						4.4	9.1
E	.4	3.0	3.7	1.2	.3	.1						8.8	5.4
ESE	.9	1.6	1.8	2.6	1.4	.2						8.4	11.1
SE	1.3	3.2	2.6	1.0	.2		.1					5.4	7.2
SSE	1.4	3.2	1.1	.6	.2	.1	.1					6.8	6.8
S	.9	1.9	.3	1.1	.4							4.7	8.3
SSW	.3	.4	.6	.3								1.7	7.1
SW	.4	1.0	.2	.1								1.8	5.1
WSW	.8	1.0	.8		.1	.1						2.9	6.5
W	.8	3.2	2.3		.1							6.4	6.0
WNW	.4	1.8	2.4	.9	.1							5.7	7.5
NW	.9	1.2	3.6	1.8	.6	.1						6.1	9.4
NNW	1.0	2.0	1.7	.9	.4	.2						6.2	8.1
VARBL													
CALM												9.7	
	12.6	31.7	26.0	13.9	4.9	1.1	.2					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 APR
STATION STATION NAME YEARS MONTH
ALL WEATHER ALL
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.1	2.7	3.4	2.6	.8	.2		.7				1.7	9.4
NNE	.7	1.7	1.7	1.1	.3	.2	.3					4.2	9.4
NE	.6	1.0	.6	.4	.7							2.5	6.3
ENE	.5	1.1	1.1	.9	.2	.1						3.9	8.5
E	.7	2.7	2.4	1.8	.5	.2						7.5	9.2
ESE	.6	1.5	1.8	2.6	1.2	.5	.1					3.3	11.7
SE	.7	2.0	2.2	1.8	.7	.2	.1					7.8	9.6
SSE	.8	1.8	1.3	1.1	.3	.2	.1					5.6	6.7
S	.5	1.0	1.4	1.2	.4	.1						4.5	9.5
SSW	.3	.4	.7	.9	.1	.0						2.5	9.5
SW	.3	.6	.8	.5	.7							2.2	7.7
WSW	.6	1.4	1.0	.6	.1	.7						3.6	7.1
W	.5	2.1	1.9	1.1	.2	.2	.7					6.3	8.2
WNW	.5	1.2	1.7	1.9	.8	.3	.0					6.4	1.9
NW	.7	1.9	2.8	2.5	1.2	.6	.7					9.7	1.3
NNW	.6	1.9	2.2	1.6	.8	.4						7.5	1.1
VARBL													
CALM												6.8	
	20.2	23.4	26.2	22.4	7.6	3.0	.3	.7				120.2	8.9

TOTAL NUMBER OF OBSERVATIONS 7198

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675 MINOT AFB ND 73-82 MAY
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0000-2400
HOURS (L & T.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.2	1.6	1.1	.1							5.7	6.5
NNE	.6	1.2	1.2	1.3	.3							4.2	9.7
NE	.8	.5	.5	.2								2.3	6.0
ENE	.3	.9	1.1	.6								2.9	7.7
E	.5	1.2	1.9	.9	.4	.2						5.2	9.5
ESE	.5	1.8	2.3	.4	.5							5.6	8.3
SE	1.4	3.1	2.3	1.7	.1							7.7	6.7
SSE	1.2	4.1	1.3	1.1	.1							7.7	6.5
S	1.7	3.4	1.0	.9	.6	.1						7.7	7.1
SSW	.8	2.6	1.8	.9	.1							6.1	7.0
SW	1.2	2.2	.8	.8		.1						4.9	6.3
WSW	.9	1.9	.8	.3								3.9	5.8
W	1.9	3.8	2.3	.9	.3							9.1	6.5
WNW	.8	2.5	2.2	.8		.1						6.2	6.9
NW	.8	1.2	1.6	1.1	.1							4.7	7.9
NNW	.5	1.5	3.0	1.1								6.1	7.7
VARBL													
CALM												9.3	
	15.2	33.9	15.5	13.1	2.8	.5						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
8300-0500
HOURS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.7	2.4	1.6	.2							2.4	7.7
NNE	.2	1.0	.8	.6	.2							2.3	8.4
NE	.3	.2	.5		.1							1.2	6.7
ENE	.4	.6	1.4	.3	.1							2.9	8.1
E	1.1	1.8	1.3	1.7	.3	.1						6.3	6.4
ESE	.9	1.8	1.7	.4		.1						4.9	6.6
SE	1.6	2.8	2.0		.2	.1						6.3	6.3
SSE	1.7	2.5	1.6	.6	.2							6.7	6.1
S	1.8	2.0	1.5	1.0	.1							6.5	6.4
SSW	1.2	1.9	.5	.5								4.2	5.7
SW	1.0	1.8	1.4	.9	.2							5.3	7.3
WSW	1.5	1.8	1.3	.8								5.4	6.2
W	1.5	3.8	1.6	1.5	.3							6.7	7.1
WNW	2.0	2.6	1.3	.9								6.8	5.8
NW	1.0	2.5	3.2	.6		.2						7.5	7.2
NNW	1.0	1.4	1.6	1.0								4.9	7.2
VARBL													
CALM												10.8	
	18.5	31.5	24.2	12.5	2.7	.5						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

727675 MINOT AFB ND 73-84 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
3600-3800
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.7	3.8	1.1								7.1	6.0
NNE	.4	.9	1.3	.3	.4							3.3	6.4
NE	.1	1.7	.9	.1	.2							2.3	6.0
ENE	.8	.6	1.0	.3								2.7	6.6
E	1.2	1.5	1.7	2.4	.3	.1						7.5	6.6
ESE	1.4	1.7	1.9	.4								5.5	6.3
SE	1.4	1.9	3.2	1.7	.1							8.4	7.7
SSE	1.7	2.2	1.7	1.5	.2							7.3	7.4
S	1.5	1.6	1.0	.9								4.9	6.5
SSW	.6	1.1	1.1	.4	.1							3.3	7.2
SW	.9	2.0	1.8	1.0	.1							5.8	7.3
WSW	.4	1.5	1.8	1.1	.1							4.9	8.0
W	1.7	2.7	1.7	1.6	.5							8.3	7.8
WNW	1.2	2.2	2.4	.9	.5							7.1	7.5
NW	.6	1.7	2.3	2.2	.3							7.1	8.7
NNW	.2	1.9	2.4	1.4	.3							6.2	6.9
VARBL													
CALM												8.2	
	14.7	26.6	29.9	17.2	3.3	.1						170.0	7.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 MAY
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
8900-1100
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.4	4.3	3.3	.2	.2						11.2	9.4
NNE	1.0	1.3	1.9	.9	.1							5.1	7.7
NE	.4	.6	1.2	.8	.2							3.2	6.5
ENE	.2	.7	1.3	.5	.1							3.0	6.3
E	.6	1.3	2.5	2.2	.5	.2	.1					7.4	10.5
ESE	.5	1.3	2.0	1.4	.5	.1	.1					6.2	9.8
SE	.9	1.3	2.8	2.4	.3	.3	.2					6.1	10.6
SSE	1.2	1.4	1.7	3.2	.8	.4	.1					9.3	11.1
S	.9	1.4	1.8	3.7	.6	.1						8.4	10.5
SSW	.1	.5	1.1	.3	.1							2.2	6.6
SW	.4	.5	1.5	1.8	.1							4.4	10.0
WSW	.1	.2	1.6	1.7	.3							4.3	11.6
W	.3	.5	1.6	2.2	.5	.5						5.7	12.3
WNW	.4	.8	1.9	2.5	.8	.4						6.3	11.9
NW	.2	1.1	1.8	1.8	.2							5.2	9.9
NNW	.1	1.1	2.6	3.1	.3							7.2	10.7
VARBL													
CALM												3.7	
	8.3	16.0	31.6	31.7	5.8	2.4	.5					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1200-1400
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.7	4.3	3.2	1.7	.1						11.2	10.0
NNE	.5	1.4	1.4	1.4	.2	.1						9.1	9.2
NE	.5	1.0	1.3	.9								3.7	7.8
ENE	.3	.3	.9	1.2	.1							3.2	9.3
E	.3	1.4	2.2	1.8	.5	.4	.1					6.8	11.0
ESE	.2	1.0	1.7	1.7	.3	.2	.2					3.4	11.2
SE	.3	1.5	2.3	2.8	1.1	.5						6.5	11.9
SSE	.3	1.2	1.8	3.2	1.4	.5	.5					9.0	13.7
S	.5	.8	1.8	3.5	.5	.2						7.5	11.9
SSW		1.0	.5	.9	.1							2.5	9.3
SW	.4	.2	1.2	1.5	.2							3.5	10.4
WSW	.2	.8	.5	1.1	.3	.1						3.0	10.2
W	.5	1.0	1.2	1.8	.9	.4						6.8	12.0
WNW	.4	.5	1.9	2.5	.8	.3						6.5	11.6
NW	.1	.6	1.6	3.3	.2	.2						6.1	11.6
NNW	.4	.5	3.8	3.5	.6							8.9	10.9
VARBL													
CALM												3.3	
	6.1	15.3	28.4	34.4	8.4	3.2	.9					170.3	12.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575
STATION

MINOT AFB ND

STATION NAME

73-92

YEARS

MAY
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.0	3.1	3.0	1.1							2.2	12.7
NNE	.1	1.1	1.9	1.8	.3	.1						5.4	12.4
NE	.2	.5	.9	1.2	.2							5.0	12.0
ENE	.3	1.0	.4	.9	.2							2.6	9.2
E	.5	2.8	3.0	1.3	1.0	.4	.2	.1				9.4	12.3
ESE	.6	2.7	1.4	1.6	.1	.1	.1					6.0	8.9
SE	.3	1.7	2.2	2.8	.3	.4						7.5	11.3
SSE	.3	.6	1.9	2.3	1.4	.4	.3					7.3	13.7
S	.2	1.2	2.5	3.2	1.4	.2	.2					8.9	12.4
SSW	.2	.3	1.2	1.1	.3							3.1	10.2
SW	.3	.5	.5	.4	.3							2.2	9.1
WSW	.2	.2	.9	1.2	.4	.3						3.2	12.5
W	.2	.5	1.4	1.7	1.7	.6	.1					5.6	13.7
WNW		1.5	1.3	1.9	.6	.8						6.1	12.3
NW	.2	1.2	1.8	3.0	1.4	.3						8.7	12.4
NNW	.4	1.2	2.4	4.3	.8	.2						9.2	11.5
VARBL													
CALM												3.9	
	5.1	16.7	26.8	31.7	12.9	4.7	1.2	.1				100.0	14.2

TOTAL NUMBER OF OBSERVATIONS 934

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675 MINOT AFB ND 73-82 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1800-0000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.7	3.3	3.5	.3	.1						10.3	9.4
NNE	1.5	1.3	.6	1.3	.9	.1	.1					9.3	11.0
NE	.8	1.3	1.6	1.2	.3							5.2	8.6
ENE	.2	1.7	1.4	1.5		.2						4.5	8.4
E	1.1	2.5	2.2	2.7	.4	.5	.3					10.3	10.3
ESE	1.0	1.9	1.8	1.5	.4							8.7	8.3
SE	1.1	1.8	2.3	1.3	.3	.2						7.1	8.3
SSE	.5	.6	1.7	1.7	.5	.5						5.7	11.4
S	.3	1.3	2.4	2.9	.8	.2						7.8	11.1
SSW	.2	.5	1.3	.5	.1							2.3	8.8
SW	.2	.3	.6	.5	.1							1.3	9.1
WSW	.3	.6	.9	.5	.1							2.5	8.2
W	.5	1.2	1.6	1.7	.5	.1						5.7	10.0
WNW	.8	2.1	1.1	.9	.6	.3						5.7	9.1
NW	1.2	1.8	1.9	2.8	.5	.1						3.4	9.5
NNW	.3	2.1	2.6	2.5	.2	.2						7.8	9.6
VARBL													
CALM												2.3	
	9.8	24.2	27.3	26.6	6.2	2.7	.4					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 2100-2300
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.9	2.4	1.1	.3							2.2	6.8
NNE	1.3	1.3	1.2	1.1	.5							2.1	5.4
NE	1.2	1.6	1.4	.5	.1	.1						4.9	6.5
ENE	.6	1.1	.5	.2	.2							2.7	6.9
E	.4	1.8	2.7	2.6	.3	.3						8.2	9.9
ESE	.5	3.3	2.2	1.4								7.4	7.1
SE	1.5	2.5	1.5	1.5	.1							7.1	7.3
SSE	1.1	3.9	1.5	1.1	.2	.4						3.2	7.4
S	.9	2.8	1.1	1.2	.2							6.1	7.1
SSW	.4	2.4	.2	.2								3.2	5.3
SW	.6	1.3	.9	.3								3.1	6.2
WSW	.9	1.5	.8	.3	.1			.1				3.7	6.9
W	1.3	3.3	2.2	.8								7.2	6.3
WNW	.4	1.7	1.5	.8	.2	.3						4.9	6.9
NW	1.7	2.2	1.3	1.0	.2							5.6	7.1
NNW	.6	1.1	2.2	.8	.1							4.7	7.7
VARBL													
CALM												9.3	
	14.6	34.3	23.3	14.7	2.7	1.2		.1				120.2	6.7

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
ALL
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.1	3.1	2.2	.4	.1						8.5	6.7
NNE	.6	1.2	1.3	1.1	.4	.5	.					4.5	9.1
NE	.5	.8	1.0	.6	.1	.5						3.2	7.9
ENE	.4	.9	1.2	.6	.1	.7						3.1	8.1
E	.7	1.9	2.2	1.9	.5	.7	.1	.5				7.6	7.9
ESE	.7	1.9	1.9	1.1	.2	.1	.1					5.9	8.3
SE	1.3	2.3	2.3	1.7	.3	.2	.7					7.6	8.8
SSE	1.7	2.1	1.7	1.8	.6	.3	.1					7.5	9.8
S	1.7	1.8	1.6	2.2	.6	.1	.5					7.2	9.4
SSW	.4	1.3	1.7	.6	.1							3.4	7.5
SW	.6	1.1	1.1	.9	.1	.						3.9	8.5
WSW	.6	1.1	1.1	.9	.2	.1		.7				3.5	8.4
W	1.5	2.1	1.7	1.5	.5	.7	.5					7.0	9.1
WNW	.9	1.7	1.7	1.4	.4	.3						8.3	7.2
NW	.6	1.5	1.9	2.0	.4	.1						8.6	9.4
NNW	.5	1.3	2.6	2.2	.3	.1						6.9	9.6
VARBL													
CALM												6.3	
	11.5	24.9	27.1	22.7	5.3	1.8	.3	.5				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 744

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

707575 MINOT AFB ND 73-84 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.7	1.6	1.7								4.2	7.4
NNE	.5	.7	1.0	.2								1.2	6.7
NE	.8	.6	.1	.3								1.5	5.6
ENE	.5	1.6	1.1	.2								3.2	6.4
E	.9	1.9	1.4	1.5								5.1	6.9
ESE	1.1	1.3	1.2	.2	.1							4.1	6.1
SE	1.8	2.4	1.2	1.1	.1							6.7	6.4
SSE	2.1	3.1	1.6	.7	.3							7.8	6.4
S	1.7	3.2	1.7	.6	.1							7.1	6.7
SSW	.6	2.1	1.0	.2	.3	.1						4.3	7.1
SW	1.5	3.1	1.4		.1							6.5	6.7
WSW	1.0	3.0	.9	.1	.3							6.1	5.8
W	2.1	7.6	2.9	1.0	.3							13.9	6.1
WNW	.4	3.2	1.8	.9	.2							6.3	7.4
NW	1.7	2.4	1.2	.4	.4	.3						6.6	7.5
NNW	.7	1.1	.7	.6	.1							3.1	7.2
VARBL													
CALM												17.5	
	17.9	39.2	2.8	8.6	2.6	.4						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 97

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.0	.6	.3								3.0	5.9
NNE	.5	.2	.7	.2								1.9	5.6
NE	.5	.2	.6	.4								2.0	7.0
ENE	.8	.7	1.1	.4								2.5	7.3
E	.5	2.2	1.6	1.0	.1							6.4	6.5
ESE	.7	2.3	1.4									4.7	5.4
SE	1.4	2.4	1.4	.4								5.5	5.6
SSE	1.2	2.7	1.3	.6								5.0	6.0
S	1.1	1.7	1.3	.4								3.9	6.1
SSW	1.2	.7	.8	.6	.1							3.3	6.3
SW	.5	2.7	1.4	.1								5.0	5.4
WSW	1.5	2.7	1.1	.7	.2	.7						6.7	6.6
W	3.2	5.7	4.8	1.7	.4							16.0	6.5
WNW	1.7	4.4	2.2	.9	.1							9.3	6.5
NW	.9	2.4	1.9	1.0	.2							6.3	7.5
NNW	.4	1.0	1.0	1.1	.2							4.6	6.2
VARBL												12.2	
CALM													
	17.9	35.1	23.2	2.9	1.4	.2						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
JULY
2622-2822
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.7	1.8	1.2								4.2	7.5
NNE	.8	1.2	.3	.2								2.5	5.2
NE	.4	.7	.8	.2	.1							2.2	6.9
ENE	.3	.9	.6	.8	.1							2.7	8.4
E	.8	1.9	1.3	.8								4.3	6.9
ESE	1.3	1.6	2.2	1.2								6.1	6.8
SE	1.1	1.9	2.4	.4								5.2	6.3
SSE	1.0	1.9	1.1	.9	.1							5.2	7.2
S	1.2	.8	1.2	1.1	.3							4.7	6.3
SSW	.6	.7	.6	.6	.1							2.4	7.8
SW	.3	1.4	1.2	.7	.1							3.6	7.6
WSW	.9	2.4	1.6	.8								5.7	6.6
W	1.4	3.9	4.6	1.9	.4	.1						12.2	6.2
WNW	.9	2.7	3.8	3.0	.4	.1	.1					11.2	9.3
NW	.6	1.9	3.1	1.6	.3							7.4	6.7
NNW	.7	1.3	2.3	2.4								6.3	8.6
VARBL													
CALM												11.9	
	12.6	26.7	28.9	17.3	2.1	.2	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER 1900-1100
CLASS HOURS (L & T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.5	2.7	1.6	.1							9.7	8.3
NNE	.2	.7	1.3	.9	.1							2.9	9.3
NE	.7	1.3	1.1	.8	.1							4.0	7.5
ENE	.6	1.6	1.3	.4								3.9	8.7
E	.3	1.3	1.7	1.6	.3							8.6	9.3
ESE	.2	.9	2.1	1.6	.2							9.0	9.4
SE	.4	2.1	1.2	1.9	.1							5.5	6.4
SSE	.7	2.1	1.8	1.3	.4	.1						6.1	8.3
S	.3	1.1	2.0	1.2	1.0	.4						8.1	11.5
SSW	.4	1.3	1.2	1.2	.7							4.5	10.5
SW	.7	.7	2.3	1.0								4.0	8.6
WSW	.6	1.1	1.2	1.0								3.9	8.1
W	.8	1.2	1.9	3.2	1.0	.1						9.2	11.0
WNW	.2	1.3	3.0	4.1	.8	.6	.2					1.3	12.3
NW	.4	1.4	4.8	3.8	.9	.1						11.4	10.3
NNW	.3	1.3	2.6	3.3	.6							8.1	10.5
VARBL													
CALM												4.4	
	7.3	20.8	30.9	28.6	6.4	1.3	.2					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

727675 MINOT AFB ND 73-82 1973-1974
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.3	1.9	1.7	.4							5.2	5.5
NNE	.3	2.3	1.1	1.1	.2							5.1	6.2
NE	.3	.6	.8	.8	.1							2.6	6.6
ENE	.3	.6	1.1	.8								2.8	6.9
E	.3	.6	2.3	1.4	.4	.1						5.2	10.6
ESE	.3	1.4	1.2	1.0	.2	.2						4.4	9.1
SE	.3	1.2	2.1	1.6	.3	.3						5.7	10.2
SSE	.4	.9	2.6	1.6	.1	.2						5.8	9.5
S	.8	1.9	1.7	1.7	.7	.7						7.2	10.5
SSW	.3	.1	.8	1.3	.1	.2						2.9	11.6
SW	.4	.1	1.7	1.0	.2							3.4	10.0
WSW	.1	1.2	1.6	1.0	.8	.1						4.8	10.5
W	.3	.7	2.3	2.3	1.2	.2						7.1	11.9
WNW	.1	.9	3.0	4.3	1.0	1.0	.1					10.3	10.3
NW	.4	1.1	3.3	4.7	1.0	.8	.1					11.5	10.2
NNW	1.1	1.3	3.2	3.3	1.3	.3						10.7	10.8
VARBL													
CALM												3.3	
	6.7	17.0	30.7	29.6	8.2	4.2	.2					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

727575 MINOT AFB ND 73-82 JUN 1982

STATION STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

1500-1700
HOURS (L & T)

SPEED (KNTS) D.R.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.7	3.1	1.4	.9	.2						3.6	9.6
NNE	.9	1.6	1.6	.3	.1							4.4	8.6
NE	.3	1.0	1.0	1.1	.1							3.6	8.6
ENE	.2	1.0	1.6	.9								3.7	8.3
E	.4	1.2	2.3	1.0	.3	.1						5.4	9.1
ESE	.6	1.3	1.0	.4	.1	.1						3.5	8.1
SE	.3	.7	1.3	1.1	.7	.1						4.2	11.7
SSE	.1	1.3	2.2	1.9	.6	.1						6.2	10.6
S	.1	1.1	2.0	2.0	.8	.2						6.2	11.2
SSW	.3	.3	.9	1.1	.4	.2						3.3	11.4
SW		1.0	1.8	1.0								3.3	9.0
WSW	.2	.8	1.4	2.0	.4		.1					5.0	11.0
W	.3	1.0	2.7	2.9	1.6	.3	.1	.1				9.0	12.4
WNW	.4	1.4	3.2	4.3	1.4	.4						11.3	11.7
NW	.2	1.6	2.6	3.7	1.3	1.1						10.4	12.4
NNW	1.0	1.4	2.1	3.3	1.6	.1						9.6	10.7
VARBL													
CALM												2.2	
	6.3	18.4	30.8	28.6	10.2	3.1	.2	.1				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675 MINOT AFB ND 73-82 1973-1974
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.6	2.6	2.0	.2							2.1	2.1
NNE	.9	1.9	.8	.8								4.3	5.3
NE	1.8	1.8	1.7									4.4	5.5
ENE	.6	1.6	1.3	1.1	.2							4.8	6.2
E	.9	2.7	2.3	1.0	.1	.1						6.4	7.7
ESE	.4	1.7	2.4	1.3	.3							6.2	6.8
SE	.6	2.3	1.7	.8	.4							5.3	7.9
SSE	.3	1.2	1.7	1.3	.2							4.3	7.5
S	.6	2.3	1.7	1.0	.2							5.4	7.8
SSW	.3	.7	.6	.4								2.0	7.4
SW	.4	1.6	.8	.6	.1	.1						3.5	7.8
WSW	.6	1.6	1.7	1.1	.3	.1						5.3	8.9
W	1.1	2.9	2.6	1.3	.6	.2	.1					6.3	8.7
WNW	.2	2.9	2.1	1.4		.1	.1					6.5	8.5
NW	.8	2.3	3.3	3.9	.7	.3						11.3	12.1
NNW	.3	1.4	2.1	2.4	.6	.2						7.1	10.7
VARBL													
CALM												4.8	
	20.8	29.2	29.2	20.6	4.0	1.2	.2					122.0	6.1

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
2100-2300
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.0	2.3	.3	.1	.1						6.2	6.9
NNE	.9	1.1	.3	.1								2.4	4.6
NE	1.0	1.4	.7	.2	.1							3.4	5.8
ENE	1.8	2.3	1.4	.3								5.9	5.6
E	1.0	1.9	1.7	.1								4.7	5.8
ESE	.7	3.2	3.3	1.3		.2	.1					7.9	8.4
SE	1.8	3.7	1.8	1.0								8.2	8.2
SSE	1.8	4.0	.3	.3								6.4	4.8
S	.9	3.6	1.1	.7								6.2	5.7
SSW	.7	1.7	.6		.2							3.1	5.9
SW	2.2	2.2	.8	.1								5.3	4.4
WSW	1.4	3.3	.8	.6	.1							6.2	5.8
W	2.1	5.6	2.0	.8	.3	.1						10.9	8.2
WNW	1.3	2.7	1.0	1.0	.1	.2						6.3	7.0
NW	.3	1.8	1.6	.6	.1	.3						4.7	8.5
NNW	.2	.8	1.0	.6	.2							2.8	8.6
VARBL													
CALM												9.4	
	19.2	40.2	20.7	8.0	1.3	1.0	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
SAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 STATION MINOT AFB ND 73-8 YEARS MONTH NORTH

ALL WEATHER CLASS

ALL HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.3	2.1	1.2	.2	.2						8.1	6.7
NNE	.6	1.2	.8	.5	.1							3.2	6.7
NE	.6	1.0	.8	.5	.1							3.0	6.9
ENE	.6	1.3	1.2	.6	.2							3.7	7.2
E	.8	1.6	1.8	1.0	.2	.5						5.3	7.8
ESE	.7	1.6	1.9	.9	.1	.1	.7					5.2	7.8
SE	1.0	2.1	1.7	1.0	.2	.1						6.0	7.5
SSE	1.0	2.2	1.6	1.0	.2	.1						6.0	7.6
S	.8	1.8	1.6	1.1	.4	.2						5.5	8.5
SSW	.6	.9	.8	.7	.3	.1						3.3	8.5
SW	.3	1.6	1.4	.6	.1	.2						4.4	6.8
WSW	.8	2.1	1.3	.9	.3	.1	.0					5.5	7.7
W	1.4	3.6	3.0	1.9	.7	.1	.0	.0				10.8	6.3
WNW	.7	2.4	2.5	2.5	.5	.3	.1					9.0	9.9
NW	.7	1.9	2.7	2.4	.6	.4	.0					8.7	10.1
NNW	.6	1.3	1.9	2.1	.6	.1						6.6	9.9
VARBL													
CALM												7.4	
	12.4	28.7	26.9	18.9	4.5	1.5	.1	.0				120.0	7.7

TOTAL NUMBER OF OBSERVATIONS 7199

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB MO 73-82 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0000-2200
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.8	1.7	.1								4.3	5.3
NNE	.6	.6	.4	.1								1.3	5.4
NE	.2	.4	.4									1.1	5.0
ENE	.5	1.2	.8	.2		.1						2.8	6.8
E	.4	1.9	.5	.2								3.2	5.9
ESE	1.1	2.3	2.4	.3	.1							6.7	6.3
SE	2.4	4.2	1.8	.5								6.9	5.4
SSE	1.9	3.5	.4	.1								6.0	4.5
S	.6	2.3	.5	.2	.4							6.0	5.2
SSW	1.5	1.1	.4	.4	.1							3.5	5.6
SW	1.5	2.2	.6	.4								4.7	5.3
WSW	1.6	3.0	1.1	.4								7.0	5.2
W	4.0	6.6	1.3	.3	.1							12.3	4.5
WNW	2.3	3.9	1.1	.2								7.4	5.0
NW	.5	2.3	1.2	.5	.3							4.5	7.7
NNW	.3	2.5	1.1	.6	.1							4.8	6.7
VARBL												14.5	
CALM													
	22.8	40.6	15.9	4.8	1.2	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675 MINOT AFB ND 73-82 JUL
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
727675-7500
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.2	1.7	.4	.1							1.2	2.5
NNE	.4	.5	.5	.1								1.3	2.1
NE	.5	.4	.3									1.3	4.3
ENE	.8	.6	.8									2.2	2.4
E	.4	1.7	1.4	.4								4.3	6.7
ESE	.9	1.1	1.7	.6								4.3	7.2
SE	2.2	3.3	1.3	.3								7.1	5.3
SSE	1.5	2.4	1.3	.4								5.6	5.4
S	1.3	2.2	.8	.5	.2							5.5	5.9
SSW	1.7	1.4	.6	.3								3.3	5.4
SW	1.1	1.7	.3	.2	.1							3.4	5.3
WSW	1.9	4.7	2.0	.4								5.9	5.4
W	3.1	5.9	2.7	.9	.2							14.1	5.1
WNW	1.7	4.7	2.2	.2		.1						6.9	5.6
NW	1.1	3.5	1.9	.8	.3	.1						7.7	6.9
NNW	.7	1.5	1.2	.2								3.2	6.5
VARBL													
CALM												13.5	
	21.6	37.2	25.3	5.9	1.7	.2						122.1	4.9

TOTAL NUMBER OF OBSERVATIONS 935

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1600-2800
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.7	2.5	.4								8.0	3.5
NNE	.4	.5	1.2	.4								2.5	7.4
NE	.2	1.3	.3									1.5	4.9
ENE	.3	.5	.6									1.7	5.3
E	.4	1.4	1.1	.3								3.2	6.6
ESE	.4	1.5	2.4	1.0	.1							5.4	7.9
SE	.5	1.3	1.5	1.0								4.4	7.7
SSE	1.7	2.7	2.0	.5								7.0	6.0
S	1.4	3.7	1.8	1.7	.1							7.3	6.4
SSW	1.0	1.1	1.2	.3								3.5	5.8
SW	.3	1.3	.6	.2								2.5	6.2
WSW	1.1	2.9	1.3	.3		.1						5.9	6.1
W	3.3	4.3	2.8	1.4	.5							12.3	6.7
WNW	.9	3.7	4.2	1.5	.1							13.3	7.8
NW	.5	3.7	2.4	1.7								7.6	7.7
NNW	.5	2.4	1.9	.3	.1							5.5	6.7
VARBL													
CALM												11.3	
	15.6	33.2	28.0	17.6	1.2	.1						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 530

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-84 JUL 1973
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 222-1122
CONDITION HOURS (LST)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	N	MEAN WIND SPEED
N	.0	2.5	4.1	1.2								4.4	7.2
NNE	.6	1.3	.8	.4								3.6	2.4
NE	.7	1.2	1.0	.3								2.3	2.2
ENE	.4	.8	.3	.2								1.7	0.1
E	.6	1.3	1.6	.8								4.3	7.5
ESE	.3	1.7	1.5	1.6	.1							4.5	6.8
SE	.4	1.7	1.6	2.0	.2							6.2	6.3
SSE	1.1	1.3	2.5	2.8	.2							7.8	9.1
S	1.2	2.2	2.5	3.0	.3							8.9	9.2
SSW	.8	.9	1.2	1.3	.2							4.3	9.7
SW	.3	1.1	1.5	1.0								3.9	6.8
WSW	.2	1.8	2.3	.4	.3							5.1	7.9
W	.4	1.7	1.8	2.3	1.2	.3						7.7	11.2
WNW	.5	1.8	2.0	2.4	.9	.1						7.7	10.1
NW	.5	3.1	3.2	4.1	1.0	.1						12.0	1.0
NNW	.5	1.5	3.5	1.8	.4							7.8	9.3
VARBL													
CALM												3.0	
	9.0	25.1	31.4	25.6	4.9	.5						10.2	6.6

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-90 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER 12-1400
CLASS HOURS LL & UT
CORRECTION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.4	3.4	1.4	.1							1.1	3.0
NNE	.6	.3	.9	.2								1.0	3.1
NE	.5	1.8	1.1	.1								3.5	3.5
ENE	.3	.3	1.3	.3								2.7	7.4
E	.2	1.7	1.3	1.2	.1							4.5	7.0
ESE	.5	1.2	1.5	1.3	.1							4.6	8.7
SE	.3	1.2	2.2	2.4	.3							6.1	9.8
SSE	.5	1.7	2.5	1.6	.6							7.5	5.7
S	.8	1.6	3.1	3.9	.6							10.2	12.1
SSW		.6	1.2	1.5								3.3	12.7
SW	.7	1.1	.3	1.1	.1							3.4	8.7
WSW	.3	.8	.9	1.3	.4							3.7	12.1
W	.3	2.2	1.7	1.7	1.5	.3	.1					7.7	11.2
WNW	.2	1.8	2.4	2.7	1.3	.3	.1					7.3	12.2
NW	.4	2.2	3.4	4.6	.6							11.3	13.5
NNW	.5	2.2	3.9	7.0	.6	.1						10.3	7.6
VARBL												2.7	
CALM												100.1	7.4
	7.2	23.1	31.5	28.0	6.6	.8	.2						

TOTAL NUMBER OF OBSERVATIONS

470

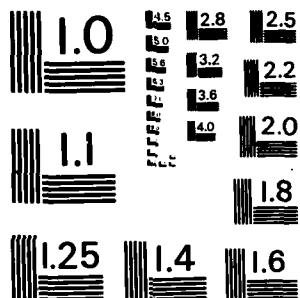
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MINDT AFB NORTH DAKOTA REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERV. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. APR 83
USAFETAC/DS 83/018 SBI-AD-E850 396 F/G 4/2

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

727575 MINOT AFB ND 73-82 JUL
STATION STATION NAME YEARS MONTHS
1500-1700
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.4	3.5	2.4	.2							9.6	8.5
NNE	.5	1.0	1.3	.3								3.1	6.9
NE	.2	1.0	1.0									2.2	6.2
ENE	.8	1.3	.2	.8								3.2	6.5
E	.4	1.4	1.9	1.2	.2							5.2	8.5
ESE	.1	1.2	2.0	1.6	.3							5.3	9.9
SE	.2	2.4	1.6	2.2								6.3	8.7
SSE	.6	1.5	1.7	1.8	.5	.1						6.3	9.9
S	.9	2.2	1.8	1.8	.4	.1						7.2	8.9
SSW	.3	.5	2.3	1.2	.5							4.8	10.0
SW		.4	1.1	1.1								2.6	9.9
WSW	.6	.8	.9	.8								3.2	7.3
W	.9	2.0	1.9	1.8	1.1	.4						8.2	10.6
WNW	.2	.9	2.0	2.5	.9	.2	.1					6.8	11.8
NW	.3	1.8	2.5	5.6	1.3	.8						12.3	12.7
NNW	.4	2.2	4.3	2.5	1.2	.1						10.6	10.1
VARBL													
CALM												3.7	
	7.5	22.8	30.1	27.4	6.7	1.7	.1					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675 MINOT AFB ND 73-82 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER 1800-2000
CLASS HOUR (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	3.3	3.3	2.3	.1							10.5	7.7
NNE	1.0	1.8	1.6	.5								5.0	6.7
NE	.6	1.2	1.1	.1								3.0	6.0
ENE	.8	.9	1.3	.5								3.4	6.8
E	.8	2.5	2.9	1.7	.1							8.0	7.9
ESE	.5	1.9	2.9	1.5	.3							7.2	8.5
SE	.9	2.7	1.7	.5	.2							6.0	6.9
SSE	1.5	1.3	1.5	1.2	.1							5.6	7.2
S	.8	2.5	1.4	.9	.2							5.7	7.2
SSW	.5	1.6	.9									3.0	5.4
SW	.1	.8	.4	.3								1.6	7.5
WSW	.8	.8	.5	.1		.1						2.3	6.2
W	.5	2.2	2.0	1.5	.2	.1						6.6	8.5
WNW	1.0	1.6	1.1	1.7	.4	.1						5.9	9.0
NW	1.3	2.5	3.3	2.7	.5	.1	.1					10.5	9.2
NNW	.3	2.6	3.8	2.8	.1							9.6	8.8
VARBL													
CALM												6.0	
	12.8	30.0	29.8	18.4	2.4	.4	.1					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 727575 NAME MINOT AFS ND YEARS 73-82 MONTH JUL
CLASS ALL WEATHER HOURS 2100-2300
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.9	2.2	.4								7.2	5.4
NNE	1.2	1.3	.8	.1								3.3	4.8
NE	.6	1.2	.2									2.0	4.2
ENE	1.2	2.0	.9	.2								4.3	5.2
E	1.1	2.6	2.4	1.0	.2	.2						7.4	7.6
ESE	1.0	3.1	2.8	.9								7.8	6.8
SE	2.7	2.7	1.6	.2								7.2	5.0
SSE	1.6	3.6	1.2	.1								6.5	5.0
S	1.5	2.7	.1	.5	.1							5.0	5.1
SSW	.6	1.8	.6									3.1	4.7
SW	1.2	2.2	.2									3.6	4.3
WSW	1.2	2.7	.8	.1		.1						4.8	5.3
W	3.4	3.8	.4	.1	.3							8.1	4.6
WNW	1.2	2.6	1.6	.6	.2							6.2	6.4
NW	1.6	2.4	1.3	.2	.3							5.8	6.0
NNW	.5	1.7	1.5	1.0	.1							4.8	7.6
VARBL													
CALM												12.2	
	23.0	39.2	18.5	5.5	1.3	.3						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675 MINOT AFB ND 73-82 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
ALL
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.5	2.8	1.1	.1							7.7	7.1
NNE	.7	1.0	1.0	.3								2.9	6.3
NE	.4	1.0	.7	.1								2.2	5.6
ENE	.7	1.2	.8	.3		.3						2.7	6.1
E	.6	1.8	1.7	.8	.1	.3						5.0	7.6
ESE	.6	1.7	2.2	1.1	.1							5.7	7.8
SE	1.3	2.4	1.7	1.1	.1							6.6	7.0
SSE	1.3	2.2	1.6	1.1	.2	.0						6.5	7.2
S	1.3	2.3	1.5	1.5	.3	.0						7.0	7.6
SSW	.7	1.1	1.0	.6	.1							3.6	7.2
SW	.6	1.3	.7	.5	.0							3.2	6.7
WSW	1.0	2.2	1.2	.5	.1	.0						5.0	6.4
W	2.2	3.6	1.8	1.3	.7	.1	.0					9.6	7.3
WNW	1.0	2.5	2.1	1.4	.5	.1	.0					7.6	8.4
NW	.8	2.6	2.4	2.5	.6	.1	.0					9.0	9.2
NNW	.6	2.0	2.6	1.5	.3	.3						7.1	8.6
VARBL													
CALM												8.5	
	15.0	31.4	25.7	15.8	3.1	.5	.1					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 7438

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675 MINOT AFB ND 73-82 AUG
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

0000-2400
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.6	1.2	.4	.1							5.7	5.6
NNE	.8	.5	.4	.2								1.9	5.5
NE	.5	.4	.2	.2								1.4	5.5
ENE	.4	1.6	.4									2.5	5.0
E	1.3	2.4	1.8	1.1								6.6	7.0
ESE	1.2	1.8	2.0	.5								5.6	6.4
SE	1.6	3.1	1.3	.8								6.8	5.9
SSE	2.2	2.4	1.2	.4	.1	.1						6.3	5.6
S	1.9	1.9	.6	.5	.1							5.2	5.4
SSW	1.2	1.3	.3			.1						2.9	5.0
SW	.8	1.0	.6	.3								2.7	6.0
WSW	1.8	3.9	1.6	.1								7.4	5.1
W	3.7	7.5	2.2	.3								13.7	4.9
WNW	1.0	3.4	1.8	1.2	.8							6.2	7.8
NW	1.0	2.2	1.3	.9	.2							5.5	7.2
NNW	1.4	2.4	1.5	.3								5.6	5.8
VARBL													
CALM												12.2	
	22.0	38.4	18.6	7.3	1.3	.2						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675 MINOT AFB ND 73-82 AUG
STATION STATION NAME YEARS MONTH
ALL WEATHER 0300-2500
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	2.0	1.6	.1								6.3	4.9
NNE	.8	.3	.2	.2								1.5	5.4
NE	.8	.9										1.6	3.2
ENE	.3	1.2	.2	.1								1.8	5.2
E	.9	2.0	1.2	.9	.1							5.1	7.0
ESE	.6	2.4	1.7	.6	.1							5.5	6.9
SE	1.7	2.6	1.8	.5								6.7	5.9
SSE	1.5	2.3	1.4	.3								5.5	5.4
S	1.6	1.8	.9	.2	.1							4.6	5.4
SSW	1.3	.9	.2	.2								2.6	4.8
SW	1.8	1.4	.4	.2								3.9	4.5
WSW	1.9	3.2	1.3	.1	.1							6.7	5.2
W	3.5	7.1	2.7	1.0								14.3	5.3
WNW	2.2	3.8	2.9	1.0	.2							10.0	6.5
NW	1.4	2.8	1.2	1.4	.8							7.5	6.0
NNW	.9	1.5	1.8	.4								4.6	6.6
VARBL													
CALM												11.8	
	23.8	36.1	19.6	7.3	1.4							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 727675 MINOT AFB ND STATION NAME 73-82 YEARS AUG
CLASS ALL WEATHER HOURS 0600-2800
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.9	1.9	.6	.1							7.4	6.1
NNE	.6	.5	.3									1.5	4.4
NE	.4	.9	.1		.1							1.5	5.2
ENE	.5	.6	.2									1.4	4.1
E	.3	1.7	1.4	.9	.1	.1						4.5	8.3
ESE	1.1	2.9	2.3	.9								7.1	6.7
SE	1.2	2.6	2.2	1.0								6.9	6.6
SSE	1.1	1.8	1.6	.5								5.1	6.4
S	1.5	1.3	1.1	.1								4.0	5.3
SSW	.8	1.0	.6	.3								2.7	6.2
SW	.9	1.3	.3	.3								2.8	5.2
WSW	1.7	1.8	1.4	.3	.2							5.5	6.0
W	1.7	3.9	3.4	.9	.3	.1						10.3	7.2
WNW	1.7	2.0	3.7	1.6	.9	.2						10.1	8.8
NW	1.2	3.7	2.0	.9	.4							8.2	7.0
NNW	.9	2.6	2.6	1.1	.1	.1						7.3	7.4
VARBL													
CALM												13.8	
	17.4	31.5	25.2	9.4	2.3	.5						120.0	5.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675 MINOT AFB ND 73-82 405
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0900-1100
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	3.0	2.7	1.7	.1							5.9	7.4
NNE	.5	1.9	1.6	.1								4.2	6.1
NE	.4	1.3	.6	.2								2.6	6.0
ENE	.4	1.1	.4		.2							2.2	6.6
E	.5	1.6	2.2	1.1								5.4	7.9
ESE	.3	1.4	2.7	1.8	.3							6.6	9.4
SE	1.2	1.7	2.8	2.4	.3							8.4	8.7
SSE	.6	1.2	1.1	2.4	.1							5.4	9.4
S	.4	1.7	2.6	1.1	.2							6.3	8.3
SSW	1.0	.8	1.0	.8								3.4	6.9
SW	1.1	.6	.9	.2								2.8	5.8
WSW	.6	.8	1.0	.8	.4							3.6	8.9
W	1.1	1.1	3.2	1.9	.4	.2	.1					8.1	9.8
WNW	.5	1.9	2.8	2.4	.6	.2						8.5	10.0
NW	.9	1.6	3.2	3.0	1.0	.4						10.1	10.6
NNW	.9	1.7	2.7	2.6	.3	.1						8.3	9.0
VARBL													
CALM												5.6	
	11.9	23.5	31.4	22.4	4.1	1.0	.1					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

AUG
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.7	2.7	1.8	.1	.1						8.5	8.1
NNE	.4	1.1	1.9	.3	.1							3.9	7.6
NE	.6	1.2	.8	.3		.1						3.0	6.9
ENE	.3	1.2	.5	.3		.1						2.5	7.1
E	.9	1.5	2.7	1.0	.3							6.3	8.3
ESE	.6	1.3	1.4	2.5	.2							6.3	9.9
SE	1.0	1.3	1.9	2.3	.6							7.1	9.5
SSE	.5	.9	2.2	2.3	.4	.1						6.3	10.4
S	.5	1.6	2.4	1.7	.3							6.6	9.2
SSW	.3	.6	1.1	1.2	.2							3.4	9.9
SW	.5	.8	1.0	.2	.1							2.6	6.9
WSW	.3	1.7	1.3	.8	.2							4.3	8.0
W	.1	1.1	2.4	1.7	.4	.2						5.9	10.5
WNW	.3	1.1	2.0	3.1	1.2	.9	.1					8.6	12.8
NW	.6	1.7	3.1	4.0	1.3	.3	.1					11.2	11.4
NNW	.6	2.6	3.4	1.6	1.0							9.2	9.1
VARBL													
CALM												4.5	
	8.9	22.3	30.8	25.1	6.6	1.7	.2					100.3	9.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575
STATION

MINOT AFB ND
STATION NAME

73-82
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.5	3.1	2.6	.1							9.2	6.7
NNE	.9	1.6	1.1	.3	.1							4.0	6.5
NE	.5	1.2	1.6	.2								3.5	6.6
ENE	.5	.6	1.5	.8								3.5	7.6
E	.9	1.4	2.0	1.1	.3							5.7	8.2
ESE	.3	1.2	1.3	2.2	.1							5.1	9.7
SE	.6	.9	1.9	1.7	.5	.1						5.8	9.9
SSE	.6	.9	2.5	1.5	.5	.3						6.3	10.4
S	.6	1.7	1.9	1.8	.3							6.5	8.8
SSW	.2	1.0	.9	1.1	.1							3.2	8.9
SW	.4	1.1	.9	1.1	.2							3.7	8.8
WSW	.3	1.0	1.4	1.1								3.8	8.5
W	.5	.6	2.7	1.5	1.0	.2						6.6	10.9
WNW	.5	1.4	3.5	3.0	.5	.5	.2					9.8	11.2
NW	.8	1.7	2.3	4.0	1.0	.3	.1					10.1	11.4
NNW	.5	2.2	2.6	3.1	.3	.2	.1					9.0	10.2
VARBL													
CALM												4.4	
	9.1	21.0	31.2	27.0	5.2	1.7	.4					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82
STATION STATION NAME CLASS
ALL WEATHER
CONDITION
AVG
1800-2200
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	2.5	2.6	3.0	1.7	.1							9.9	6.8
NNE	1.1	2.3	1.6	.6								5.6	6.3
NE	1.6	1.8	1.0	.3		.1						4.8	5.9
ENE	1.0	1.4	1.0	.3								3.7	5.9
E	1.0	2.9	2.4	2.3	.1							8.6	7.8
ESE	.5	2.7	2.5	1.0								6.7	7.2
SE	.9	1.8	2.4	.6	.1	.1						5.9	7.4
SSE	1.2	1.3	1.6	1.7	.1	.2						6.1	8.5
S	1.0	2.7	1.7	.8	.1							6.2	6.9
SSW	.9	1.3	.6									2.8	5.1
SW	.1	1.5	.8	.1								2.5	6.4
WSW	.3	.6	.9	.4								2.3	7.5
W	1.4	1.4	2.3	1.5	.2							6.8	8.0
WNW	.4	2.0	1.6	1.5	.3	.2						6.1	9.1
NW	.6	2.7	2.9	2.3	.1	.1						8.7	8.5
NNW	.6	1.9	1.5	1.8	.4	.4						6.8	9.9
VARBL													
CALM												6.6	
	15.1	31.0	27.6	17.0	1.6	1.2						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINGT AFB ND 73-82 AUG
STATION STATION NAME YEARS MONTH
ALL WEATHER 2100-2300
CLASS HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.7	1.7	.4	.1	.1		.1				6.7	5.6
NNE	2.5	1.6	.5	.2								4.4	4.5
NE	.9	1.4	.5	.1	.1	.1						3.1	6.2
ENE	1.2	2.4	.5	.3								4.4	5.3
E	1.3	2.8	2.4	1.2								7.5	6.7
ESE	.9	3.4	1.6	1.2								7.1	6.7
SE	.8	3.2	1.8	.5								7.4	5.7
SSE	1.7	2.6	1.7	.8	.1							6.9	6.1
S	2.5	2.5	.5	.4								5.1	4.8
SSW	.9	1.1	.4	.1								2.5	5.7
SW	1.3	2.2	.2	.1								3.4	4.6
WSW	.4	2.9	.6	.3	.1							4.4	5.7
W	2.9	5.7	1.3	1.1	.1							11.1	5.5
WNW	1.2	3.5	1.2	.2	.3							6.5	6.2
NW	.5	2.8	1.5	.9								5.7	6.9
NNW	.6	1.7	1.4	.3								4.1	6.3
VARBL													
CALM												9.7	
	23.9	42.3	18.1	8.2	.9	.2		.1				170.0	5.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

727575
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

ALL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.6	2.2	1.2	.1	.0		.0				7.3	6.9
NNE	.9	1.2	1.0	.3	.0							3.4	6.2
NE	.7	1.1	.6	.2	.0	.0						2.7	5.9
ENE	.6	1.3	.6	.2	.0	.0						2.7	6.0
E	.9	2.7	2.0	1.2	.1	.0						6.2	7.6
ESE	.7	2.1	1.9	1.3	.1	.0						6.2	7.8
SE	1.3	2.2	2.0	1.2	.2	.0						6.9	7.5
SSE	1.2	1.7	1.7	1.2	.2	.1						6.0	7.8
S	1.2	1.9	1.5	.8	.1							5.5	7.2
SSW	.8	1.0	.6	.5	.0	.0						2.9	6.6
SW	.8	1.2	.6	.3	.0							3.0	6.0
WSW	.9	2.7	1.2	.5	.1							4.7	6.5
W	1.9	3.5	2.5	1.2	.3	.1	.0					9.6	7.1
WNW	1.0	2.4	2.4	1.7	.6	.2	.0					8.5	9.1
NW	.9	2.4	2.2	2.2	.6	.1	.0					8.4	9.3
NNW	.8	2.1	2.2	1.4	.3	.1	.0					6.9	6.4
VARBL													
CALM												9.6	
	16.1	30.7	25.3	15.4	2.9	.8	.1	.0				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675 MINCT AFB ND 73-82 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0000-2300
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.9	2.2	.6	.2							5.0	7.8
NNE	.2	.2	1.2	.4								2.1	7.9
NE	.2	.2	.9	.1								1.4	7.4
ENE	.1	.7	.3		.1		.2					1.4	12.5
E	.1	1.2	1.9	.8								4.0	6.4
ESE	.9	2.4	1.8	1.1								6.2	7.1
SE	.9	2.9	.9	.7								5.3	5.8
SSE	1.2	3.0	1.1	.2								5.6	5.3
S	2.0	4.1	1.9	.4								8.4	5.6
SSW	.6	2.4	.8	.4								4.2	5.9
SW	.9	2.1	1.1	.2		.1						4.4	6.2
WSW	.7	3.4	1.9	.4								6.4	6.3
W	2.6	7.2	3.2	.9								13.9	5.7
WNW	1.1	4.4	2.2	1.0	.3	.1						9.2	7.2
NW	.8	2.4	2.8	1.3	.6	.1						8.0	8.7
NNW	.4	1.4	1.3	1.1	.1							4.4	8.2
VARBL													
CALM												9.8	
	13.0	40.2	25.3	9.8	1.3	.3	.2					170.0	6.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

727675 MINOT AFB ND

73-82

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0300-1500

MOUSE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.2	2.6	.2	.3							5.2	7.6
NNE	.1	.3	1.3	.6								2.3	3.8
NE		.3	.3	.4								1.1	6.9
ENE	.4	.4	.2	.1		.1						1.3	6.9
E	.6	1.4	1.7	.8	.2		.2					4.7	8.8
ESE	1.0	2.2	1.8	.6								5.6	6.3
SE	1.2	2.6	1.2	.2								5.2	5.7
SSE	1.2	2.8	1.3	.2								5.6	5.5
S	1.4	2.0	1.4	.4								5.3	5.6
SSW	1.0	1.3	1.3	.7								4.3	6.5
SW	1.1	2.3	2.2	.9								6.6	6.6
WSW	2.0	3.1	2.3	.6								8.3	5.6
W	2.1	6.0	4.0	.6	.1							12.8	6.1
WNW	1.9	1.8	2.2	1.1	.7							7.7	7.7
NW	1.0	3.3	1.7	1.2	.4	.6						6.2	8.7
NNW	.4	2.2	1.8	1.1	.8							6.3	8.9
VARBL													
CALM												9.8	
	16.2	33.4	27.4	9.7	2.6	.7	.2					100.2	6.3

TOTAL NUMBER OF OBSERVATIONS

920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675
STATION

MINOT AFB ND
STATION NAME

73-82
YEARS

SEP
MONTH

ALL WEATHER
CLASS

3630-3830
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.8	3.0	1.2								7.0	7.6
NNE	.3	.3	.9	.6								2.1	8.2
NE	.2	.4	.8	.2								1.7	7.3
ENE	.2	1.1	.8									2.1	6.0
E	1.0	1.8	1.8	.6	.1	.1						5.3	7.4
ESE	.6	1.2	2.2	.8								4.8	7.6
SE	1.8	1.6	1.9	.7								5.9	6.0
SSE	1.3	2.6	.7	.1								4.7	4.8
S	1.7	1.6	1.2	.2								4.7	5.4
SSW	.7	.8	.9	.9								3.2	7.5
SW	1.1	2.2	.4	.2	.1							4.1	5.4
WSW	1.1	2.9	2.1	.3	.1							6.6	6.2
W	2.6	3.6	3.4	1.4	.1							11.1	6.6
WNW	1.0	3.7	3.7	1.8	.9	.2						11.2	8.8
NW	1.2	2.7	3.1	1.8	.7	.3						9.8	8.8
NNW	.1	.9	1.7	1.1	.6							4.3	10.1
VARBL													
CALM												11.4	
	15.9	29.0	28.6	11.9	2.6	.7						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 SEP

STATION STATION NAME YEARS MONTH

ALL WEATHER 0900-1100

CLASS HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.1	2.9	2.0	.2							4.7	7.9
NNE	.4	.9	1.4	1.0								3.8	8.0
NE	.3	.3	.8	.3	.1							1.9	8.1
ENE	.2	.6	.7	.9	.2							2.6	9.6
E	.2	.6	1.0	1.1	.2							3.1	9.9
ESE	.7	1.4	1.2	.8	.6							4.7	8.0
SE	.4	1.7	1.8	2.2	.1							6.2	8.9
SSE	.4	1.4	2.0	.7								4.6	7.6
S	.6	1.4	2.7	1.2	.2							6.1	8.3
SSW	.4	1.3	1.8	.7								4.2	7.3
SW	.6	.8	2.0	.8	.1							4.2	8.0
WSW	.2	1.0	2.6	.9	.3							5.0	8.9
W	.8	2.0	4.2	3.6	.8	.1						11.4	9.9
WNW	.9	1.0	1.9	2.0	1.7	.3						7.8	11.8
NW	.1	1.4	3.4	3.1	.9	1.0	.1					10.1	12.4
NNW	.2	1.9	3.9	3.4	.8							10.2	10.1
VARBL													
CALM												5.4	
	8.0	19.9	34.2	24.7	6.2	1.4	.1					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

727675	MINOT AFB ND	73-82	SEP
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			1200-1400
CLASS			HOURLY (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	3.1	3.6	.2							9.2	9.6
NNE	.6	.9	1.4	1.0								3.9	8.2
NE	.3	1.3	.7	.6								2.9	7.2
ENE	.9	.7	.3	.8		.2						2.9	7.8
E	1.1	1.3	.2	1.3	.4							4.4	8.6
ESE	.4	.3	.4	.8	.1							2.1	9.2
SE	.4	1.0	1.8	2.0	.4							5.7	10.4
SSE	.1	.8	1.0	1.7	.1	.1						3.8	10.8
S	.2	1.3	2.6	3.2	.7							8.0	10.7
SSW		1.2	1.3	.7	.1							3.3	8.9
SW		1.0	2.2	.6								3.8	8.2
WSW	.3	1.2	2.2	.9								4.7	8.0
W	.3	1.9	2.3	3.4	1.0	.4	.1					9.6	11.4
WNW	.4	.7	2.0	4.8	1.6	1.0	.1	.1				10.7	14.1
NW	.7	1.6	2.9	4.2	1.9	.7	.1					12.0	12.3
NNW	.9	.9	2.6	3.0	.9	.8						9.0	11.6
VARBL													
CALM												4.1	
	7.4	17.8	27.1	32.4	7.4	3.2	.3	.1				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 727675 STATION NAME MINOT AFB ND YEARS 73-82 MONTH SEP
CLASS ALL WEATHER RANGE 1500-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.8	2.3	3.7	.2							8.4	9.8
NNE	.7	.9	1.8	.8	.2							4.3	8.3
NE	.4	.4	.8	.3								2.0	7.1
ENE	.8	.8	1.1	.9		.3						3.9	8.8
E	.7	1.4	.8	1.4	.1	.1						4.6	9.0
ESE	.6	.6	1.1	.6	.2	.1						3.1	8.9
SE	.6	.4	.9	.8	.3	.1						3.1	9.9
SSE	.3	.4	1.2	1.9	.1							4.0	10.1
S	.3	1.3	2.6	3.0	.7							7.9	10.3
SSW	.4	.9	1.9	1.4	.1							4.8	9.0
SW	.2	1.0	1.7	.6								3.4	8.4
WSW	.4	.8	1.2	.6	.1							3.1	8.1
W	1.0	1.3	4.1	4.1	1.0		.1	.1				11.8	10.6
WNW	.4	.8	2.2	5.0	.8	.8	.2					10.2	12.9
NW	.6	1.2	3.1	5.3	2.6	.9						13.7	13.1
NNW	.8	1.1	2.8	3.7	1.0	.1						9.4	11.1
VARBL													
CALM												2.2	
	8.7	15.2	29.6	34.0	7.4	2.4	.3	.1				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1800-2000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	3.4	2.0	1.6	.2							8.8	7.1
NNE	.4	.8	1.1	1.0	.2							3.5	8.7
NE	.9	1.1	.9	.6								3.4	6.1
ENE	.9	.9	1.2	.7	.2	.1						4.0	8.1
E	.7	1.7	3.1	1.0	.2	.1						6.8	8.1
ESE	.6	1.8	.8	.7	.2							4.0	7.4
SE	.8	2.9	.8	.4		.1						5.0	6.1
SSE	1.4	2.9	.9	.8								6.0	6.1
S	1.8	2.9	1.8	.6								6.9	5.8
SSW	.8	1.1	.3	.1								2.3	4.8
SW	.8	1.9	.6	.1								3.3	4.8
WSW	1.1	1.7	1.1	.2								4.1	5.6
W	1.3	2.7	.9	1.1			.1	.1				6.2	7.3
WNW	.8	3.2	2.1	2.6	.6	.7						9.9	9.7
NW	1.2	2.9	2.7	2.7	1.1	.1	.1					10.8	9.4
NNW	.7	2.6	2.7	1.4	.2							7.6	8.3
VARBL													
CALM												7.3	
	15.7	34.2	22.9	15.8	3.0	1.1	.2	.1				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675 MINOT AFB ND 73-82 SEP
STATION NAME YEARS MONTH
ALL WEATHER 2100-2300
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.4	1.6	1.2	.2		.1					7.3	7.3
NNE	.7	1.1	.8	.3	.1							3.2	6.7
NE	.2	.2	.4	.8	.1							1.8	9.8
ENE	.8	.6	1.6	.6								3.4	7.4
E	.4	1.3	1.6	1.1								4.4	8.2
ESE	.2	1.3	2.2	1.1								4.9	8.0
SE	.4	3.3	1.7	.4								5.9	6.4
SSE	1.2	4.3	.6									6.1	4.6
S	2.4	5.3	1.1	.3								8.9	4.8
SSW	.8	3.2	.7	.1								4.8	5.0
SW	1.0	2.3	.4									3.8	4.6
WSW	1.0	2.9	.7	.1								4.7	5.1
W	3.1	5.8	2.2	.4	.1							11.7	5.4
WNW	1.7	4.3	2.1	1.0	.3	.6						10.3	7.6
NW	.3	3.4	1.3	1.3	.8	.2						7.4	9.3
NNW	.2	1.4	1.2	.6								3.4	7.4
VARBL													
CALM												8.8	
	16.3	43.1	20.1	9.4	1.7	.8	.1					100.3	6.3

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575
STATION

MINOT AFB ND
STATION NAME

73-82
YEARS

SEP
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.7	2.4	1.7	.2		.7					7.4	8.2
NNE	.4	.7	1.2	.7	.1							3.1	6.1
NE	.3	.6	.7	.4	.0							2.0	7.5
ENE	.5	.7	.8	.5	.1	.1	.0					2.7	8.1
E	.6	1.3	1.5	1.0	.2	.0	.0					4.7	8.5
ESE	.6	1.4	1.4	.8	.1	.7						4.4	7.6
SE	.8	2.7	1.4	.9	.1	.0						5.3	7.3
SSE	.9	2.3	1.1	.7	.0	.0						5.0	6.5
S	1.3	2.4	1.9	1.2	.2							7.0	7.1
SSW	.6	1.5	1.1	.6	.7							3.9	6.9
SW	.7	1.7	1.3	.4	.0	.0						4.2	6.5
WSW	.9	2.1	1.8	.5	.1							5.3	6.5
W	1.7	3.8	3.1	1.9	.4	.1	.0	.0				11.1	7.8
WNW	1.0	2.5	2.3	2.4	.8	.5	.7	.7				9.6	10.0
NW	.7	2.4	2.6	2.6	1.1	.5	.0					10.0	10.6
NNW	.5	1.6	2.2	1.9	.5	.1						6.8	9.8
VARBL													
CALM												7.4	
	12.6	29.1	26.9	18.4	4.0	1.3	.2	.0				100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 7222

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

727675 MINOT AFB ND 73-82 367
STATION STATION NAME YEARS MONTH
ALL WEATHER 0000-2400
CLASS HOUR (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.9	2.5	1.2	.2							7.1	7.6
NNE		.3	.6	.4	.3							1.7	12.7
NE	.5	.1	.2	.1								1.3	4.7
ENE	.2	.2	.5	.1								1.1	6.5
E	.6	.4	.4	.4								1.9	6.8
ESE	.9	2.2	.5	.4								4.0	5.9
SE	1.3	2.2	.5	.4								4.1	5.7
SSE	.4	2.3	1.2	.3	.1							4.3	6.8
S	1.7	1.9	1.5	1.0	.2							6.3	6.6
SSW	1.2	1.1	.9	1.7	.5	.1						5.5	9.4
SW	.9	1.7	2.0	.8	.2							5.6	7.2
WSW	1.0	2.6	2.4	.5		.2						6.7	7.0
W	3.1	5.2	3.2	1.9	.3	.2						14.3	6.9
WNW	.2	4.2	5.3	2.3	.3							12.3	8.3
NW	.4	3.1	3.1	2.3	1.0	.3						10.2	9.7
NNW	.1	1.2	2.2	1.7	.5	.1	.1					5.9	10.7
VARBL													
CALM												8.5	
	13.4	30.5	27.1	15.6	3.8	1.0	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

727675 MINOT AFB ND 73-82 007
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0300-0500
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.3	1.7	1.6	.5							7.0	8.5
NNE	.2	.2	.2	.1	.1							.9	7.8
NE	.4	.3	.1	.2								1.1	5.9
ENE	.2	.2	.5	.4								1.4	8.6
E	.5	1.2	.5	.1								2.4	5.2
ESE	.6	2.3	1.0	.8								4.6	6.7
SE	.4	1.3	1.2									2.6	5.7
SSE	.3	2.3	.4	.4								3.4	6.2
S	1.6	1.9	1.5	.6								5.7	6.0
SSW	.3	1.7	.9	1.1	.2	.1						4.3	8.7
SW	.5	1.4	1.7	1.3								4.9	8.3
WSW	1.1	2.2	2.7	.2								6.0	6.2
W	2.7	5.3	5.4	2.5	.5	.1						16.5	7.3
WNW	1.0	4.3	4.7	2.4	.5	.4	.1					13.4	9.0
NW	.9	2.4	3.1	3.3	.3	.3	.1					10.4	10.1
NNW		1.2	1.3	1.7	.4	.1						4.7	10.7
VARBL													
CALM												10.6	
	11.7	29.9	27.0	16.8	2.7	1.1	.2					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

727675 MINCT AFB ND 73-84 967
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
0647-2800
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.8	1.8	2.3	.1							7.2	8.5
NNE	.4	.3	.4	.3								1.5	6.9
NE	.4	.2	.5	.3								1.5	7.4
ENE	.2	.3	.3	.2								1.1	6.8
E	.3	.6	1.3	.8								3.2	6.5
ESE	.6	1.0	1.0	.6								3.2	7.2
SE	.3	2.5	1.7									4.5	6.1
SSE	1.0	1.6	1.2	.2								4.0	5.6
S	1.5	2.0	1.5	.3								4.8	6.1
SSW	.9	1.3	1.1	.6								3.9	6.6
SW	.9	1.2	1.3	.8	.1							4.2	6.9
WSW	.4	2.4	3.0	1.4	.1							7.3	7.9
W	1.9	4.1	5.5	3.7	.8							13.3	8.1
WNW	.9	4.2	4.1	2.8	1.7	.3	.5					13.4	10.0
NW	.5	2.3	3.2	3.4	.4	.3						11.2	10.0
NNW	.3	1.4	1.9	1.3	.4							5.4	9.2
VARBL													
CALM												9.4	
	11.1	27.2	29.9	18.4	2.9	.6	.5					170.0	7.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 34T
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1980-1100
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.3	1.8	2.7	.5							7.4	9.6
NNE	.4	.8	1.0	.9	.1							3.1	8.7
NE	.3	.2	.1	.2								.9	6.5
ENE	.5	.2	.2	.2								1.2	5.7
E	.3	.8	1.7	1.5								4.3	9.2
ESE	.3	.6	1.1	1.6								3.7	9.4
SE	.3	.3	1.7	1.3	.1							3.8	9.3
SSE	.4	2.7	1.5	.6								4.6	7.0
S	.5	1.1	1.6	2.4	.6							6.2	10.7
SSW	.5	1.2	2.2	.4	.3	.1						4.7	8.7
SW		1.0	1.5	1.2		.1						3.8	9.6
WSW	.9	1.3	2.3	2.3								6.7	8.7
W	.6	.9	4.7	4.0	.8	.3	.3					11.6	11.4
WNW	.6	.9	2.2	3.1	2.3	1.3	.6	.1				11.1	14.9
NW	.1	1.8	3.2	4.6	2.2	.8	.1					12.8	12.8
NNW	.4	2.0	3.2	3.1	.8	.2						9.3	10.1
VARBL													
CALM												4.4	
	7.5	16.3	30.0	30.1	7.6	2.8	1.1	.1				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675 MINOT AFB ND 73-82 201
STATION STATION NAME YEARS MONTH
ALL WEATHER 1200-1400
CLASS HOURS (L & T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.3	2.3	2.5	.9							7.1	11.0
NNE	.4	1.0	.4	.9								2.7	7.8
NE	.1	.6	.5	.2	.2							1.7	6.3
ENE	.6	.5	.2	.6								2.0	7.7
E	.8	.6	1.0	.9	.3	.1						3.7	9.3
ESE	.3	.6	1.3	2.0	.2							4.5	13.7
SE	.1	.6	1.7	1.2	.2	.2						4.1	13.4
SSE	.3	.8	1.2	1.8	.4							4.5	13.6
S		.9	3.1	1.8	1.0	.4						7.2	11.9
SSW	.5	.4	1.2	1.4	.3							3.9	9.7
SW	.1	.9	1.4	1.3	.8	.1						4.5	11.4
WSW	.1	1.2	2.0	2.5	.3							6.1	15.4
W	.2	.9	2.4	4.2	.5	.6	.2					9.0	12.6
WNW		.8	2.4	3.2	1.7	1.4	.4	.3				15.2	15.6
NW	.2	.5	3.2	4.0	2.7	1.8	.2					12.7	14.9
NNW		2.4	2.7	4.9	2.3	.6	.2					13.1	12.7
VARBL													
CALM												2.9	
	4.1	14.0	27.0	33.4	11.8	5.4	1.1	.3				100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

727575	MINOT AFB ND	73-82	OCT
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			1500-1700
CLASS			HOURLY (L & T)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.5	3.5	3.1	.9	.1						9.6	12.5
NNE	1.1	.9	1.1	.8								3.8	7.1
NE	.3	.9	.3	.8	.1							2.4	8.6
ENE	.1	.4	.2	.2	.2	.1						1.3	10.7
E	.5	.6	.8	1.0	.4							3.3	9.4
ESE		.6	2.5	1.6								4.7	9.5
SE	.1	.6	.8	1.2	.1	.2						3.0	11.5
SSE	.2	1.6	2.3	1.1	.3							5.5	8.5
S	.3	.9	2.2	3.1	1.1	.3						7.8	11.9
SSW	.2	.6	1.5	.6	.1							3.1	8.9
SW	.1	.9	1.8	1.3	.3							4.4	10.0
WSW	.2	1.2	1.6	1.4	.2							4.6	9.5
W		1.4	2.5	3.7	.6	.6						8.8	11.7
WNW	.3	1.3	1.6	4.5	1.2	.9	.3	.2				10.3	13.8
NW	.1	1.4	3.3	5.1	2.8	1.6						14.3	13.8
NNW	.1	1.4	2.4	2.9	1.1	1.3	.2					9.4	13.5
VARBL													
CALM												3.7	
	4.2	16.2	28.3	32.3	9.5	5.2	.5	.2				100.3	11.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-92 OCT
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
1800-2000
HOURS (L & Y)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.5	3.0	1.5	.8	.4	.1					9.5	9.3
NNE	.8	1.5	.9	.4	.1							3.7	6.3
NE	1.0	.3	.3	.6	.3							2.5	8.3
ENE	.9	.2	.2									1.3	3.5
E	.6	1.2	1.4	.8	.1							4.1	7.4
ESE	.4	2.2	1.6	.9								5.1	7.2
SE	1.1	2.2	1.7	.4		.1						5.5	6.5
SSE	.6	2.0	1.3	.6								4.6	6.6
S	.3	3.1	1.9	.9	.1							6.3	7.2
SSW	.5	1.5	.6	.9								3.5	7.2
SW	.1	1.9	1.2	.2								3.4	6.4
WSW	1.2	2.7	1.7									5.6	5.3
W	1.8	4.1	2.7	.6								9.2	6.3
WNW	.5	4.5	3.3	2.4	1.0	.1		.2				12.2	9.3
NW	.9	3.9	3.2	2.2	.8	.2	.2					11.3	9.2
NNW	.4	1.3	1.3	1.6	.6							5.3	10.0
VARBL													
CALM												7.3	
	12.4	35.1	26.5	14.0	3.8	.9	.3	.2				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675 MINGT AFB ND 73-82 OCT
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
2100-2300
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.6	2.2	1.7	1.0							7.2	9.4
NNE	.4	1.4	.9	.9	.1							3.7	8.0
NE	.4	.4	.2	.1	.1							1.3	6.3
ENE	1.0	.2	.1	.1								1.4	3.6
E	.5	1.1	1.2	.3		.1						3.2	7.1
ESE	.6	1.2	.5	.4	.1							2.9	6.7
SE	.6	2.2	1.4	.8								4.9	6.7
SSE	1.3	2.2	1.3	.8								5.5	6.3
S	1.4	2.5	1.3	1.3								6.5	6.9
SSW	.6	2.7	.3	1.0	.5	.1						4.6	8.6
SW	.8	1.4	1.3	1.0	.1							4.5	7.4
WSW	1.1	2.6	1.3	.8								5.7	6.2
W	1.5	4.9	4.0	1.4	.2	.1						12.2	7.2
WNW	1.0	4.4	5.2	2.7	.3	.1						13.7	6.3
NW	.5	2.3	2.2	3.1	.3	.1	.1					8.6	9.7
NNW	.3	1.1	2.7	1.7	.4	.1		.1				6.5	10.2
VARBL													
CALM												7.7	
	12.9	31.4	25.9	18.0	3.2	.6	.1	.1				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675 MINOT AFB ND 73-82 2CT
STATION STATION NAME YEARS NORTH
ALL WEATHER
CLASS
ALL
MOORE (L.S.Y.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.8	2.4	2.1	.6	.1	.2					7.7	9.4
NNE	.5	.8	.7	.6	.1							2.6	7.8
NE	.4	.4	.3	.3	.1							1.5	7.4
ENE	.5	.3	.3	.2	.2	.7						1.3	6.7
E	.5	.8	1.0	.7	.1	.2						3.2	8.1
ESE	.5	1.3	1.2	1.0	.2							4.1	8.2
SE	.5	1.4	1.3	.7	.1	.1						4.1	7.6
SSE	.6	1.8	1.3	.7	.1							4.6	7.3
S	.9	1.8	1.8	1.4	.4	.1						6.4	8.7
SSW	.6	1.2	1.1	1.0	.3	.1						4.2	8.5
SW	.4	1.3	1.5	1.0	.2	.2						4.4	8.4
WSW	.7	2.2	2.1	1.1	.1	.2						6.1	7.6
W	1.5	3.3	3.8	2.7	.5	.3	.1					12.1	8.6
WNW	.6	3.1	3.6	2.9	1.0	.6	.3	.1				12.1	10.9
NW	.5	2.2	3.1	3.5	1.3	.7	.1					11.3	11.5
NNW	.2	1.5	2.2	2.4	.8	.3	.1	.2				7.5	11.2
VARBL													
CALM												6.8	
	9.7	25.1	27.7	22.3	5.7	2.2	.5	.1				100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

NOV
MONTH

ALL WEATHER

CLASS

0000-2200

HOURE (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	1.3	1.3								4.6	6.3
NNE	.3	1.1	.7	.7	.2							3.3	6.5
NE		.2	.4	.1								.3	6.1
ENE	.2		.2	.4								.9	9.8
E	.2	.4	.6	.6								1.3	8.3
ESE	.3	.9	1.0	.6		.1						2.9	8.2
SE	.8	1.8	1.7	.8								5.5	6.9
SSE	1.0	2.2	1.0	.2								4.4	5.4
S	1.7	2.6	.6	.9	.1							5.8	6.1
SSW	1.7	.8	1.0	.1								3.6	5.1
SW	1.0	1.3	1.9	.1								4.3	6.0
WSW	.8	3.2	3.0	1.0	.1							8.1	7.1
W	1.3	4.4	4.8	2.4		.3	.1					13.4	8.2
WNW	1.1	4.4	4.0	3.0	.6	.1	.1					13.3	8.6
NW	1.2	2.7	3.4	4.3	1.2	.4						13.3	10.4
NNW	.3	.9	2.9	2.0	.7							6.8	10.0
VARBL													
CALM												8.5	
	12.6	28.3	28.4	18.6	2.9	1.0	.2					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 400
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.7	2.4	1.3	.1	.1						5.2	6.4
NNE	.2	.8	1.0	1.0		.1						3.1	9.2
NE		.6	.4	.3								1.3	8.2
ENE			.2	.1								.3	8.7
E	.1	.2	.6	.3								1.2	8.8
ESE	.3	1.7	1.9	.1								3.3	6.9
SE	.7	1.6	1.4	1.0								4.7	7.1
SSE	1.3	1.8	1.1	1.1								5.3	6.5
S	.7	1.8	.9	.3		.1						3.8	6.1
SSW	.3	1.8	.4	.2		.2						3.3	6.8
SW	.8	1.6	1.2	.4								4.2	6.4
WSW	1.1	2.7	2.6	1.0								7.3	6.6
W	1.9	4.2	5.3	2.1	.3	.1						14.2	7.6
WNW	1.3	3.0	4.9	3.8	1.7	.3	.3					14.7	10.0
NW	1.3	2.7	4.0	4.7	1.1	.2	.2					14.2	10.4
NNW	.2	1.3	1.8	2.1	.8							5.9	10.7
VARBL													
CALM												7.8	
	10.7	26.2	30.2	20.0	3.3	1.2	.6					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

727575 MINOT AFB ND 73-82 46Y
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1600-2800
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.2	2.1	1.2	.2	.2	.1					5.3	9.9
NNE	.3	.7	1.0	.8								2.8	8.2
NE	.2	.7	.3									1.2	5.3
ENE		.3	.4									.8	6.4
E	.2	.8	.4	.4								1.9	7.6
ESE	.3	.4	1.0	.4								2.2	7.7
SE	.2	1.3	1.8	.8								4.1	7.7
SSE	.7	2.7	1.3	1.0								5.7	6.9
S	1.2	.9	.4	.3								2.9	4.9
SSW	.9	1.7	1.3	.3	.1	.1						4.4	6.9
SW	.7	2.1	.8	.1	.1							3.8	5.7
WSW	.8	2.8	1.4	.4								5.4	6.1
W	1.7	4.8	6.8	3.0	.1	.1						16.4	7.7
WNW	.8	3.7	4.3	3.3	1.2	.9	.2					13.8	10.7
NW	.3	3.4	4.6	4.8	.4	.6						14.1	10.2
NNW	.2	1.7	1.7	2.2	.4	.1						6.3	10.0
VARBL													
CALM												8.8	
	8.8	28.4	29.8	19.2	2.7	2.0	.3					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 444
STATION STATION NAME YEARS MONTHS
ALL WEATHER
CLASS
CONDITION
0900-1100
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.1	2.2	1.9	.1		.1					6.2	9.2
NNE	.6	.6	.6	.4								2.1	6.9
NE	.4	.8	.4	.1								1.8	6.3
ENE	.2	.1	.1	.2								.7	7.3
E	.4	.8	.9	.4								2.6	7.4
ESE	.3	.7	1.0	.1	.1							2.2	7.3
SE	.2	1.0	1.3	.9	.2							3.7	9.1
SSE	.2	1.1	1.4	.8	.7							4.2	9.7
S	.8	1.4	1.3	1.2	.3							5.1	8.1
SSW	.8	1.3	1.2	.7	.1							4.1	7.4
SW	.1	1.1	1.2	.9	.1							3.4	8.5
WSW	1.7	2.2	2.1	1.0	.3	.1						7.4	7.3
W	.6	3.1	4.7	3.2	.2	.1	.1					12.0	9.0
WNW	.9	2.0	2.9	4.7	1.7	1.2	.2					13.6	12.4
NW	.4	1.8	3.7	6.1	1.3	.7						14.0	11.8
NNW	.2	1.1	3.2	3.7	.6	.3	.1					9.2	11.5
VARBL													
CALM												7.7	
	8.7	20.2	28.3	26.3	5.8	2.4	.6					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 922

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72757E
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

NOV

MONTH

ALL WEATHER

CLASS

1200-1400

HOURE (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	2.1	2.7	.4							7.1	9.9
NNE	.4	.4	1.0	.3	.1							2.3	7.6
NE	.1	.3	.4									.9	6.4
ENE	.2	.3	.4	.1								1.1	5.5
E	.3	.7	.8	.6	.1							2.4	8.5
ESE	.1	.3	.7	.8								1.7	9.6
SE	.4	1.2	.9	1.0								3.5	8.2
SSE	.3	.9	1.9	1.6	.3	.2						5.2	10.2
S	.4	1.0	1.3	1.2	.2	.2						4.4	9.8
SSW	.1	.7	1.9	1.6	.2							4.4	10.2
SW	.1	.9	2.3	1.7	.1							5.1	9.8
WSW	.3	1.0	2.2	1.6	.2							5.3	9.3
W	1.3	3.6	3.7	3.1	.6	.3	.2					12.8	9.4
WNW	.3	1.3	3.2	4.0	2.0	1.0	.7					12.6	13.6
NW	.4	1.2	4.6	5.1	3.0	.7	.1					15.1	12.7
NNW	.3	1.7	2.8	4.3	.7	.3	.2					9.7	12.0
VARBL													
CALM												6.0	
	6.0	16.2	30.2	29.6	8.7	2.8	1.2					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

900

USAFETAC

FORM
JUL 64

085 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675 MINOT AFB ND 73-84 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1500-1700
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	3.6	2.6	1.3	.3							8.3	7.8
NNE	.6	.1	1.2	.9								2.8	8.8
NE	.2	.3	.7	.2								1.4	7.2
ENE		.7	.7	.2								1.5	7.4
E	.4	.9	.9	.9	.2							3.3	8.6
ESE	.1	.7	.8	.7								2.2	9.2
SE	.3	1.4	1.7	.8	.1							4.3	7.9
SSE	.4	1.6	1.1	.9	.2							4.2	7.9
S	.9	1.8	1.4	.9	.1							5.2	7.5
SSW	.6	.9	2.2	.7	.2							4.4	8.6
SW	.8	.9	2.1	.4	.2							4.4	7.9
WSW	.3	2.7	2.9	1.2								7.1	7.3
W	1.4	2.2	2.9	2.6	.3	.1						9.6	8.7
WNW	.2	1.7	2.4	3.1	1.6	1.4	.1					12.6	13.1
NW	.4	2.3	4.6	4.9	3.0	.4	.1					15.3	11.9
NNW	.3	1.9	2.9	3.8	.7	.2	.1					9.9	10.9
VARBL													
CALM												5.2	
	7.6	23.4	31.7	23.4	7.7	2.2	.3					100.2	9.1

TOTAL NUMBER OF OBSERVATIONS 922

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

NOV
MONTH

ALL WEATHER

CLASS

1800-0000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	3.2	1.8	.4	.2	.3						6.3	7.2
NNE	.9	.9	.6	.8	.2							3.3	7.4
NE	.2	.2	.8	.4								1.7	8.2
ENE	.1	.3	.7		.1							1.2	7.8
E	.3	.9	1.2	.4								2.9	7.4
ESE	.2	1.8	1.6	.6								4.1	7.1
SE	1.0	1.8	1.6	.6								4.9	6.5
SSE	1.1	2.2	1.0	.2								4.5	5.5
S	1.0	3.3	1.0	.3	.1							5.8	5.8
SSW	.6	2.6	1.3									4.4	5.7
SW	.7	2.9	1.6	.3								5.4	6.1
WSW	.9	3.7	2.1	.1								6.8	6.0
W	1.1	4.4	3.7	1.3	.3	.1	.2					11.2	7.9
WNW	1.0	2.9	3.8	2.8	.3	.1						10.9	8.8
NW	1.3	1.9	3.2	3.2	1.3	.3	.3					11.7	11.0
NNW	.6	1.7	2.1	2.0	.7							7.0	9.6
VARBL													
CALM												7.2	
	11.9	34.7	27.9	13.6	3.3	.9	.5					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

770

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

727675 MINOT AFB ND 73-84 444 NORTH
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.3	1.8	.4	.4	.2						2.2	3.7
NNE		1.1	.9	.7								2.7	5.3
NE	.4	.3	.2	.4								1.4	7.1
ENE	.3		.3	.1								.3	6.7
E	.3	.2	1.5	.8								2.3	6.7
ESE	.2	1.2	1.2	.9	.2							3.3	6.6
SE	.6	1.7	1.8	.9								4.7	7.3
SSE	.9	2.6	1.1	.4								4.7	5.9
S	1.4	2.9	1.3	.3								6.0	5.3
SSW	.9	1.7	1.4	.3								4.3	6.3
SW	1.1	1.2	2.2	.6								3.4	6.6
WSW	1.5	3.4	3.8	.2								3.4	6.2
W	1.8	5.1	4.3	1.4	.1	.2	.1					13.1	7.2
WNW	1.3	1.7	3.2	3.4	1.1	.2						11.0	10.2
NW	.6	2.1	4.7	4.2	.9	.1	.4					15.1	10.7
NNW	.2	1.3	1.2	2.7	.2	.1						5.3	10.4
VARBL													
CALM												7.4	
	11.8	27.9	30.6	17.9	3.0	.9	.6					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 600

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-84 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.9	2.7	1.3	.2	.1	.3					9.2	6.6
NNE	.4	.7	.9	.7	.1	.3						1.3	6.1
NE	.2	.4	.5	.2								1.3	7.0
ENE	.1	.2	.4	.2	.7							.9	7.5
E	.3	.6	.8	.6	.9							3.3	5.1
ESE	.2	.9	1.1	.5	.3	.3						2.3	7.9
SE	.5	1.5	1.5	.8	.9							4.4	7.3
SSE	.7	1.9	1.2	.8	.2	.7						4.3	7.2
S	.3	2.3	1.0	.7	.1	.7						4.3	6.7
SSW	.7	1.4	1.4	.5	.1	.7						4.1	7.2
SW	.7	1.5	1.7	.6	.1							4.5	7.2
WSW	.9	2.7	2.5	.8	.1	.7						7.3	6.9
W	1.4	4.7	4.5	2.4	.7	.2	.1					12.3	5.2
WNW	.9	2.5	3.6	3.5	1.2	.7	.2					12.3	5.9
NW	.8	2.3	4.1	4.7	1.5	.4	.2					13.9	11.2
NNW	.3	1.3	2.3	2.8	.6	.1	.1					7.9	13.8
VARBL													
CALM												7.2	
	4.7	25.7	29.6	21.1	4.5	1.7	.5					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 7233

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

127575 MINOT AFB ND 73-62 260
STATION STATION NAME YEARS SOUTH
ALL WEATHER
CLASS 000-0000
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.3	2.6	1.2	.1							2.5	6.8
NNE	.4	.5	.5	.6								2.2	7.9
NE	.3	.2	.2	.2								1.3	6.3
ENE	.3	.2	.4	.3								1.3	7.8
E	.2	.3	1.5	1.3	.4							4.7	6.9
ESE	.5	1.3	1.0	1.3	.3	.1						4.5	9.1
SE	1.5	1.5	.5	1.5	.2							5.5	7.3
SSE	1.4	3.2	1.4	.5								6.6	5.7
S	1.6	1.4	.8	.5	.1							4.4	6.7
SSW	.3	1.0	1.0	.1	.2							6.0	7.3
SW	.5	1.2	1.3	.4	.2							3.7	7.2
WSW	.3	1.1	1.2	1.9	.3							4.3	9.7
W	1.4	2.7	3.8	2.4	1.0	.2						12.5	9.3
WNW	.9	2.4	3.0	3.5	1.8	.4	.2		.1			13.2	11.3
NW	.2	1.1	5.2	3.9	3.1	1.7		.1				15.3	13.9
NNW	.5	1.0	1.7	1.3	1.0							5.5	10.3
VARBL													
CALM												6.9	
	11.5	20.9	26.9	22.2	8.8	2.5	.2	.1	.1			10.2	6.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 727575 HINDI AFB ND STATION NAME 73-64 YEARS 06
CLASS ALL WEATHER MONTHS 700-750
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.7	1.9	1.5	1.0	.1						6.6	1.1
NNE	.2	.5	.2	.3								1.3	7.3
NE	.2	.4	.3	.1	.2							1.3	6.6
ENE	.1	.3	.3	.3								1.1	6.2
E	.6	1.1	1.1	1.3	.4							4.4	9.4
ESE	.5	1.2	1.2	1.0	.3							4.2	6.9
SE	1.2	1.2	1.6	1.8	.2							6.3	6.3
SSE	1.1	2.6	.4	.3								4.4	4.9
S	.4	2.8	1.3	.2	.5							6.3	7.2
SSW	.1	.4	1.3	.8	.3							2.9	10.0
SW	.3	.4	1.2	.4	.2							2.4	4.0
WSW	.8	1.5	1.5	1.4	.2	.1						5.5	6.4
W	1.6	3.6	4.0	3.8	.8	.3						14.3	9.2
WNW	1.0	2.8	2.3	2.8	2.2	.9						11.9	11.5
NW	.3	1.8	4.5	5.0	2.2	1.7						15.5	13.0
NNW	.5	1.1	1.9	1.6	.6	.1						5.9	10.0
VARBL													
CALM												7.4	
	7.4	23.4	24.9	22.6	9.1	3.2						120.3	9.1

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-84 260
STATION STATION NAME YEARS DATA
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.7	1.7	1.7	.2							2.5	2.2
NNE	.1	1.1	.3	.1								1.5	6.3
NE	.2	.8	.1		.2							1.3	6.5
ENE	.2	.4	.6	.2								1.5	6.8
E	.9	1.3	1.2	1.9	.2							2.5	9.1
ESE	.4	1.6	2.2	.3								4.5	7.1
SE	1.3	1.3	1.1	1.3								4.9	6.9
SSE	1.3	1.3	1.5	.5	.1							4.7	6.7
S	.9	1.1	1.3	.6	.2							4.1	7.2
SSW	.9	.5	.8	.8		.1						3.0	7.9
SW	.2	1.2	.2	1.1	.1							2.6	9.7
WSW	.8	1.6	1.4	1.5	.3							3.6	8.4
W	1.7	2.8	3.2	4.5	1.4	.1						13.3	9.6
WNW	.8	1.9	3.2	4.5	1.6	1.4	.1					13.4	12.5
NW	.3	1.9	4.7	4.4	2.4	.9	.2					14.3	14.2
NNW	.2	1.1	1.2	3.0	.4							5.9	13.9
VARBL													
CALM												7.1	
	20.3	21.3	24.7	26.6	7.7	2.5	.3					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 950

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINCI AFB MO 73-82 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER 1977-1980
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.5	1.6	.9	.1							3.2	3.2
NNE	.5	.5	.1	.3	.3							2.2	7.5
NE	.2	.4	.3	.1								1.1	5.4
ENE		.2	.6	.5								1.4	9.6
E	.3	1.0	1.2	2.4	.1							4.9	13.3
ESE	.3	.8	1.3	.5	.1							3.0	7.9
SE	.6	1.9	2.3	.6								5.5	7.5
SSE	1.2	2.0	1.2	.8								4.9	5.5
S	.6	.3	.6	1.2	.6							3.4	13.6
SSW	.5	1.1	.9	.8	.2							3.4	8.0
SW	.5	1.3	.4	1.4								3.8	7.9
WSW	.7	1.9	1.8	1.0	.1							5.7	7.5
W	2.3	3.9	4.5	3.8	2.0	.2						16.6	9.5
WNW	.5	1.6	2.3	3.8	1.6	1.2	.3	.1				11.4	13.6
NW	.8	1.1	3.1	4.4	2.5	2.2	.2					14.2	13.8
NNW	.3	.8	2.4	3.0	1.0							7.4	11.3
VARBL													
CALM												7.2	
	10.3	19.6	24.6	25.4	8.7	3.5	.5	.1				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727675 MINOT AFB ND 73-82 D&C
STATION STATION NAME YEARS MONTHS (L & T)
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.5	2.3	1.8	.4							5.5	2.6
NNE	.3	.3	.3	.1		.3						1.4	9.5
NE	.5	.4	.3	.1								1.4	5.5
ENE	.1	.5	.5	.9								2.0	9.1
E	.4	.3	1.0	1.5	.4							3.7	11.2
ESE	.3	1.5	1.3	.9								4.0	7.8
SE	.3	1.4	1.9	1.6	.2							5.5	8.8
SSE	.1	1.3	1.2	.9	.1							3.5	6.7
S	.6	1.2	2.4	1.0	.4							5.6	8.5
SSW	.1	.6	.6	.9	.1							2.4	9.9
SW	.4	1.7	.8	1.0	.2							3.3	9.0
WSW	.6	1.2	1.7	1.8	.4							5.0	9.4
W	.9	2.2	4.3	5.3	1.8	.2						14.6	11.0
WNW	.3	.9	2.4	4.0	2.2	1.3	.4	.4				11.8	15.3
NW	.5	2.3	2.5	6.0	4.1	1.5	.1					17.0	13.7
NNW	.4	.3	1.5	1.9	1.1	.4						6.1	12.1
VARBL													
CALM												6.3	
	6.6	16.3	24.9	29.6	11.5	3.8	.5	.4				100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

727575 MINOT AFB ND 73-82 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER 1500-1700
CLASS HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	1.7	1.8	.1	.1						5.4	8.9
NNE	.6	.3	.6	.4	.1	.1						2.3	7.8
NE	.2	.1	.1	.4								.9	8.3
ENE	.5	.8	.6	.4								2.4	6.8
E	.6	.3	.9	1.6	.3							4.5	9.6
ESE	.5	2.2	1.8	.5	.2							5.3	7.2
SE	.9	2.4	.9	.3	.2							4.6	6.2
SSE	1.0	.8	1.6	.8	.1							4.2	7.4
S	.6	2.3	1.7	1.7								6.3	7.6
SSW	.4	.8	.2	1.4	.1							2.9	9.3
SW	.2	1.7	1.3	.6								3.1	6.0
WSW	.5	1.3	1.3	1.0	.2							4.3	8.2
W	.5	1.5	3.9	4.5	.6	.5						11.5	12.8
WNW	.5	1.9	3.4	2.9	1.4	.9	.5					11.6	12.2
NW	.4	1.4	2.9	5.4	3.3	1.6	.5	.3				16.1	15.0
NNW	.6	1.9	1.9	2.6	.6	.1						7.8	9.9
VARBL													
CALM												6.7	
	8.9	20.3	24.9	26.8	7.4	3.5	1.1	.3				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

727575 MINOT AFB ND 73-82 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1930-2000
HOURS (L & T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.7	1.9	.4	.3							5.2	7.8
NNE	.4	.4	.1	.9	.3							2.2	10.6
NE	.4	.1										.5	3.0
ENE	.1	1.3	.6	.6								2.7	7.2
E	.4	1.5	1.1	1.6	.2							4.9	9.2
ESE	1.1	1.8	2.5	1.0								6.4	7.3
SE	1.0	1.9	1.3	.2								4.4	5.7
SSE	.5	2.4	1.7	.4	.1							5.2	6.8
S	1.1	1.6	1.3	.3								4.3	5.9
SSW	.5	1.2	.3	.9	.2							3.1	7.9
SW	.8	1.6	.8	1.2	.1							4.4	7.8
WSW	1.2	1.8	1.4	1.4	.2							6.0	7.5
W	.9	3.6	5.5	2.8	.8	.1						13.6	8.7
WNW	.8	1.8	3.0	2.5	.8	1.6	.1					10.6	12.0
NW	.6	1.6	2.6	5.1	2.0	1.5	.4	.1				14.1	13.8
NNW	.3	1.5	1.4	1.5	.2	.1						5.1	9.6
VARBL													
CALM												7.3	
	10.9	26.0	25.6	20.8	5.3	3.5	.5	.1				100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575 MINOT AFB ND 73-82 DEC
STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
2100-2300
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.5	1.5	1.4	.1	.1						5.8	6.4
NNE	.2	.9	.4	1.2								2.6	9.3
NE	.1	.2	.2	.1								.5	7.2
ENE	.1	.3	.4	.2								1.1	8.0
E	.9	1.7	1.4	1.3	.9							5.4	9.4
ESE	.8	.9	2.4	1.7	.1							5.1	8.4
SE	.6	2.6	1.2	.4	.2							5.1	6.8
SSE	1.4	2.5	1.5	.2								5.6	5.3
S	1.3	1.3	.5	.8								3.9	5.9
SSW	.5	.4	.6	.4								2.3	7.8
SW	.6	.6	.5	.6	.6	.1						3.2	10.3
WSW	.8	1.4	1.7	.9	.2							5.3	7.9
W	1.7	3.5	4.2	3.9	1.1		.1					14.5	6.8
WNW	.9	2.3	2.9	4.7	1.7	.6	.1	.1				13.4	11.9
NW	.3	1.4	4.1	4.4	1.9	1.5	.3					14.3	13.4
NNW	.2	1.5	1.8	1.2	.2	.2						5.2	9.5
VARBL													
CALM												7.6	
	10.7	23.1	25.6	22.8	7.1	2.6	.5	.1				100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

727575 MINOT AFB ND 73-82
STATION MONTH YEAR
ALL WEATHER
CLASS
CONDITION
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.4	1.9	1.3	.3	.7						5.4	6.9
NNE	.4	.6	.3	.5	.1	.1						2.1	6.3
NE	.3	.3	.2	.1	.1							1.2	6.5
ENE	.2	.5	.5	.4								1.7	7.8
E	.6	.9	1.2	1.7	.4							4.7	9.6
ESE	.6	1.4	1.7	.8	.1	.7						4.6	7.9
SE	.9	1.8	1.3	1.0	.1							5.2	7.3
SSE	1.0	2.0	1.3	.6	.1							4.9	6.4
S	.9	1.5	1.2	.8	.2							4.7	7.4
SSW	.4	.8	.7	.7	.1	.7						2.3	8.5
SW	.5	1.7	.8	.8	.2	.7						3.3	6.4
WSW	.7	1.5	1.5	1.4	.3	.7						5.3	8.3
W	1.4	2.9	4.2	4.0	1.2	.2	.7					13.9	9.6
WNW	.7	1.9	2.9	3.6	1.7	1.0	.2	.1	.7			12.2	12.5
NW	.4	1.6	3.7	4.8	2.7	1.6	.2	.1				15.1	13.6
NNW	.4	1.2	1.7	2.0	.6	.1						6.1	10.5
VARBL													
CALM												7.1	
	9.8	21.4	25.3	24.6	8.2	3.1	.5	.1	.7			170.2	9.2

TOTAL NUMBER OF OBSERVATIONS 7433

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727575

MINCT AFB MO

73-82

STATION

STATION NAME

YEARS

ALL

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.3	2.4	1.7	.4	.1	.0	.0				7.5	8.7
NNE	.5	.9	.8	.6	.1	.0	.0	.0				3.3	6.1
NE	.4	.7	.5	.3	.1	.0	.0	.0				2.3	6.8
ENE	.4	.7	.7	.4	.0	.0	.0					2.4	7.6
E	.5	1.3	1.6	1.2	.2	.1	.0	.0				5.1	8.7
ESE	.6	1.5	1.7	1.3	.3	.1	.0					5.5	9.0
SE	.8	1.9	1.7	1.1	.2	.1	.0					6.0	8.1
SSE	.9	1.8	1.4	1.0	.2	.1	.0					5.4	7.8
S	1.0	1.8	1.4	1.1	.3	.1	.0					5.6	7.9
SSW	.6	1.7	.9	.6	.1	.0	.0					3.2	7.8
SW	.6	1.2	1.0	.6	.1	.0						3.4	7.4
WSW	.7	1.8	1.5	.8	.1	.0	.0	.0				3.1	7.5
W	1.4	3.0	3.1	2.2	.6	.2	.0	.0				10.5	6.6
WNW	.7	2.1	2.7	2.8	1.1	.5	.1	.0	.0			10.1	11.1
NW	.6	1.9	2.9	3.4	1.4	.7	.2	.0	.0	.0		11.2	11.9
NNW	.5	1.5	2.2	2.0	.6	.2	.0	.0				7.0	10.3
VARBL													
CALM												7.1	
	11.2	25.1	26.5	21.3	5.9	2.3	.4	.1	.0	.0		100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

87558

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

727575 MINOT AFB ND 73-82 ALL
STATION NAME YEARS MONTH
INSTRUMENT
CLASS
CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,
CONDITION
AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.6	5.2	5.4	1.5	.4	.1					12.1	12.3
NNE	.5	1.3	2.5	2.2	.7	.1	.0					7.3	12.3
NE	.4	1.1	1.5	1.0	.3	.0	.0					4.4	9.2
ENE	.4	1.1	1.8	1.6	.2	.2	.0					5.3	9.8
E	.6	1.8	3.4	4.0	.8	.1	.0					10.8	12.4
ESE	.4	1.3	2.8	3.0	1.3	.4	.1					9.2	11.6
SE	.3	1.4	1.9	1.0	.6	.2	.1					6.5	12.5
SSE	.3	1.1	1.1	1.1	.2	.1	.0					3.7	9.3
S	.2	.6	.8	.4	.1	.0	.0					2.2	8.0
SSW	.1	.4	.3	.2	.0	.0	.0					1.0	8.2
SW	.1	.2	.2	.1	.0	.0	.0					.5	8.0
WSW	.1	.2	.2	.2	.1	.0	.0					.7	9.2
W	.3	.6	.4	.4	.2	.2	.0	.0				2.1	12.9
WNW	.3	.6	1.0	1.4	1.1	.8	.2	.2				5.6	15.2
NW	.5	.9	2.2	3.1	2.4	2.0	.4	.0				11.4	15.1
NNW	.4	1.4	2.2	2.9	1.4	.6	.1					9.2	12.3
VARBL													
CALM												4.1	
	5.7	16.5	27.5	28.9	10.9	5.2	1.1	.2				100.0	12.9

TOTAL NUMBER OF OBSERVATIONS 2277

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

12575 MINOT AFB ND

73-32

143

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

3-1-50-22

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	300	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	51.2	51.5	52.4	52.5	54.5	54.6	54.8	54.9	54.9	55.5	56.3	56.3	56.6	56.6	56.6	56.6
900	54.9	56.5	57.2	57.2	59.2	59.3	59.6	59.7	59.7	60.4	61.1	61.1	61.5	61.5	61.5	61.5
800	54.9	56.5	57.2	57.2	59.2	59.3	59.6	59.7	59.7	60.4	61.1	61.1	61.5	61.5	61.5	61.5
700	54.9	56.5	57.2	57.2	59.2	59.3	59.6	59.7	59.7	60.4	61.1	61.1	61.5	61.5	61.5	61.5
600	56.2	56.8	57.6	58.7	59.8	60.3	60.3	60.4	60.4	61.7	61.8	61.8	62.1	62.1	62.1	62.1
500	56.3	57.4	58.1	59.2	60.5	60.6	60.7	61.0	61.0	61.7	62.4	62.4	62.8	62.8	62.8	62.8
400	59.5	61.1	61.9	63.0	64.3	64.4	64.7	64.8	64.8	65.4	66.2	66.2	66.5	66.5	66.5	66.5
300	60.1	61.8	62.5	63.9	64.9	65.0	65.3	65.4	65.4	66.1	66.8	66.8	67.2	67.2	67.2	67.2
200	63.1	64.9	65.7	66.6	68.1	68.2	68.6	68.7	68.7	69.3	70.1	70.1	70.4	70.4	70.4	70.4
100	64.5	66.5	67.7	68.5	69.6	69.9	70.2	70.3	70.3	70.8	71.7	71.7	72.2	72.2	72.2	72.2
0	65.0	67.5	68.5	69.6	71.7	71.2	71.5	71.5	71.5	72.2	73.0	73.0	73.3	73.3	73.3	73.3
1000	66.7	67.3	70.2	71.5	72.9	73.2	73.5	73.7	73.7	74.4	75.1	75.1	75.5	75.5	75.5	75.5
900	67.4	70.3	71.5	72.7	74.1	74.3	74.9	75.0	75.1	75.7	76.4	76.4	76.7	76.7	76.7	76.7
800	69.1	72.0	73.5	74.7	76.1	76.3	77.0	77.1	77.1	77.8	78.5	78.5	78.9	78.9	78.9	78.9
700	69.4	72.9	74.4	75.8	77.2	77.4	78.0	78.3	78.3	79.0	79.6	79.6	80.1	80.1	80.1	80.1
600	70.4	74.0	75.5	77.0	78.4	78.6	79.3	79.5	79.5	80.2	81.1	81.1	81.4	81.4	81.4	81.4
500	71.6	75.2	76.7	78.3	79.9	80.2	80.9	81.3	81.3	82.0	82.8	82.8	83.1	83.1	83.1	83.1
400	72.1	76.2	77.7	79.3	81.2	81.5	82.3	82.8	82.8	83.5	84.4	84.4	84.7	84.7	84.7	84.7
300	72.8	77.2	78.7	80.4	82.2	82.6	83.5	84.0	84.0	84.7	85.6	85.6	85.9	85.9	85.9	85.9
200	73.7	78.7	80.2	82.0	83.9	84.2	85.1	85.7	85.7	86.5	87.4	87.4	87.7	87.7	87.7	87.7
100	75.1	80.2	81.7	83.5	85.5	85.8	86.9	87.5	87.5	88.5	89.7	89.7	90.1	90.1	90.1	90.1
0	75.6	81.2	82.8	84.6	87.0	87.4	88.7	89.3	89.3	90.5	91.6	91.6	92.2	92.2	92.2	92.2
1000	76.2	81.8	83.5	85.4	87.8	88.3	89.6	90.3	90.3	91.6	92.8	92.8	93.2	93.2	93.2	93.2
900	76.5	82.3	84.1	85.9	88.4	88.8	90.1	91.1	91.1	92.4	93.9	93.9	94.4	94.4	94.4	94.4
800	76.6	82.5	84.2	86.0	88.5	89.0	90.3	91.6	91.6	92.9	94.4	94.4	94.9	94.9	94.9	94.9
700	76.7	82.6	84.3	86.1	88.6	89.1	90.4	91.7	91.7	93.1	94.7	94.7	95.3	95.3	95.3	95.3
600	77.3	83.4	85.1	87.1	89.8	90.3	91.6	92.9	92.9	94.7	96.3	96.3	97.1	97.1	97.1	97.1
500	77.3	83.4	85.1	87.2	89.9	90.5	91.8	93.1	93.1	94.9	96.7	96.7	97.4	97.4	97.4	97.4
400	77.3	83.6	85.4	87.4	90.1	90.7	92.1	93.4	93.4	95.4	97.1	97.1	98.1	98.1	98.1	98.1
300	77.3	83.6	85.4	87.4	90.1	90.7	92.1	93.5	93.5	95.6	97.3	97.3	98.3	98.3	98.3	98.3
200	77.3	83.6	85.4	87.4	90.1	90.7	92.1	93.5	93.5	95.6	97.4	97.4	98.5	98.5	98.5	98.5
100	77.3	83.6	85.4	87.4	90.1	90.7	92.1	93.5	93.5	95.6	97.4	97.4	98.5	98.5	98.5	98.5
0	77.3	83.6	85.4	87.4	90.1	90.7	92.1	93.5	93.5	95.6	97.4	97.4	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 429

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675 MINGT AFB ND

73-57

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-1-73

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥10000	51.9	55.4	56.3	57.2	57.7	58.0	58.2	58.5	58.5	58.5	58.9	59.0	59.2	59.2	59.0	59.1
≥9000	54.5	58.0	59.9	59.8	60.3	60.5	60.8	61.1	61.1	61.2	61.5	61.6	61.6	61.5	61.5	61.7
≥8000	54.5	58.1	59.0	59.9	60.4	60.6	60.9	61.2	61.2	61.3	61.5	61.7	61.7	61.7	61.7	61.8
≥7000	54.5	58.1	59.0	59.9	60.4	60.6	60.9	61.2	61.2	61.3	61.5	61.7	61.7	61.7	61.7	61.8
≥6000	54.9	58.4	59.4	60.2	60.8	61.0	61.2	61.5	61.5	61.5	61.9	62.0	62.0	62.0	62.0	62.2
≥5000	56.7	59.5	60.4	61.3	61.8	62.0	62.3	62.6	62.6	62.7	63.0	63.1	63.1	63.1	63.1	63.2
≥4000	58.8	62.5	63.4	64.3	64.8	65.1	65.3	65.6	65.6	65.7	66.0	66.1	66.1	66.1	66.1	66.2
≥3000	59.7	63.3	64.3	65.2	65.7	65.9	66.1	66.5	66.5	66.6	66.9	67.0	67.0	67.0	67.0	67.1
≥2000	62.0	65.8	66.8	67.6	68.3	68.5	68.8	69.1	69.1	69.2	69.6	69.7	69.7	69.7	69.7	69.8
≥1800	63.7	67.6	68.5	69.6	70.2	70.4	70.8	71.1	71.1	71.2	71.5	71.6	71.6	71.6	71.6	71.7
≥1600	64.6	68.6	69.5	70.5	71.2	71.4	71.7	72.0	72.0	72.2	72.5	72.6	72.6	72.6	72.6	72.7
≥1400	66.5	70.9	71.8	72.8	73.4	73.7	74.1	74.4	74.4	74.5	74.8	74.9	74.9	74.9	74.9	75.1
≥1200	67.1	71.5	72.5	73.4	74.1	74.5	74.9	75.3	75.3	75.4	75.7	75.8	75.8	75.8	75.8	75.9
≥1000	68.4	73.1	74.1	75.1	75.7	76.1	76.6	76.9	76.9	77.0	77.3	77.4	77.4	77.4	77.4	77.5
≥900	69.1	74.2	75.2	76.1	77.1	77.5	78.0	78.3	78.3	78.4	78.7	78.8	78.8	78.8	78.8	78.9
≥800	70.5	75.7	76.8	77.8	78.8	79.2	79.9	80.4	80.4	80.5	80.9	81.0	81.0	81.0	81.0	81.1
≥700	71.3	77.3	78.4	79.5	80.4	80.9	81.5	82.0	82.0	82.2	82.5	82.6	82.6	82.6	82.6	82.7
≥600	73.3	79.2	80.3	81.5	82.6	83.0	83.7	84.2	84.2	84.3	84.7	84.8	84.8	84.8	84.8	84.9
≥500	74.1	80.1	81.4	82.7	83.9	84.3	85.1	85.6	85.6	85.7	86.1	86.2	86.2	86.2	86.2	86.3
≥400	74.6	81.2	82.5	83.8	84.9	85.4	86.1	86.8	86.8	86.9	87.3	87.4	87.4	87.4	87.4	87.5
≥300	76.3	83.0	84.5	85.8	87.6	88.1	88.8	89.6	89.6	90.0	90.4	90.5	90.6	90.6	90.6	90.9
≥200	77.1	83.8	85.3	86.6	88.9	89.4	90.2	91.1	91.1	91.5	91.9	92.0	92.0	92.0	92.0	92.4
≥100	77.3	84.4	86.0	87.3	89.7	90.1	91.0	91.8	91.8	92.3	92.8	92.9	93.2	93.2	93.2	93.4
≥50	77.8	85.1	86.5	88.1	90.4	90.9	91.7	92.6	92.6	93.1	93.8	93.9	94.3	94.3	94.3	94.5
≥25	78.1	85.4	87.2	88.5	90.9	91.3	92.2	93.2	93.2	94.0	94.6	94.7	95.2	95.2	95.2	95.4
≥15	78.1	85.5	87.3	88.6	91.2	91.6	92.5	93.5	93.5	94.3	94.9	95.1	95.5	95.5	95.5	95.7
≥10	78.3	85.9	87.7	89.0	91.9	92.5	93.3	94.4	94.5	95.4	96.0	96.1	96.6	96.6	96.6	96.6
≥5	79.4	86.0	87.8	89.1	92.2	92.8	93.7	94.7	94.8	95.7	96.3	96.5	96.9	96.9	96.9	97.1
≥2	79.4	86.2	88.1	89.4	92.4	93.1	94.0	95.1	95.2	96.1	96.9	97.2	98.0	98.0	98.0	98.2
≥1	79.4	86.2	88.1	89.4	92.4	93.1	94.1	95.3	95.4	96.3	97.1	97.4	98.3	98.3	98.3	98.7
≥0	79.4	86.2	88.1	89.4	92.4	93.1	94.1	95.3	95.4	96.5	97.2	97.5	98.4	98.4	98.4	99.7

TOTAL NUMBER OF OBSERVATIONS 731

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

327575

MINOT AFB ND

73-02

JA

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

600-1420

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	20	25	24	23	22	21	20	20	21	22	23	24	25	26	20
1- 1000	43.7	52.2	53.1	53.8	55.3	55.3	55.5	55.2	56.2	56.7	57.1	57.2	57.2	57.2	57.2	57.4
2- 1000	50.8	54.4	55.5	56.1	57.6	57.6	57.6	58.6	58.6	59.1	59.5	59.6	59.6	59.6	59.6	59.6
3- 1000	57.9	54.5	55.6	56.2	57.7	57.7	58.2	58.7	58.7	59.1	59.6	59.7	59.7	59.7	59.7	59.9
4- 1000	57.9	54.5	55.6	56.2	57.7	57.7	58.2	58.7	58.7	59.1	59.6	59.7	59.7	59.7	59.7	59.9
5- 1000	51.3	54.9	55.2	56.7	58.2	58.2	58.4	59.1	59.1	59.6	60.7	60.7	60.7	60.7	60.7	60.3
6- 1000	52.3	55.9	57.2	57.6	59.1	59.1	59.4	60.1	60.1	60.5	61.7	61.7	61.7	61.7	61.7	61.3
7- 1000	54.5	58.5	59.7	60.3	61.8	61.8	62.2	62.8	62.8	63.2	63.7	63.8	63.8	63.8	63.8	64.7
8- 1000	55.6	59.2	60.4	61.1	62.6	62.6	62.8	63.5	63.5	64.7	64.7	64.4	64.5	64.5	64.5	64.7
9- 1000	57.4	61.2	62.4	63.0	64.5	64.5	64.7	65.5	65.5	65.9	66.3	66.5	66.5	66.5	66.5	66.7
10- 1000	58.9	62.8	64.1	64.7	66.3	66.3	66.6	67.3	67.3	67.7	68.2	68.3	68.3	68.3	68.3	68.5
11- 1000	60.5	64.5	65.7	66.5	68.1	68.1	68.3	69.0	69.0	69.5	69.9	70.0	70.0	70.0	70.0	70.2
12- 1000	61.8	65.9	67.3	68.1	69.8	69.8	70.1	71.0	71.0	71.5	71.9	72.1	72.1	72.1	72.1	72.3
13- 1000	62.7	67.0	68.4	69.2	71.1	71.1	71.4	72.4	72.4	72.9	73.3	73.4	73.4	73.4	73.4	73.7
14- 1000	64.1	68.6	70.1	71.0	73.1	73.1	73.7	74.6	74.6	75.4	75.4	75.9	75.9	75.9	75.9	76.1
15- 1000	64.3	69.6	71.1	71.9	74.1	74.1	74.6	75.7	75.7	76.5	76.9	77.0	77.0	77.0	77.0	77.2
16- 1000	65.7	70.5	72.3	73.3	75.7	75.7	76.3	77.4	77.4	78.2	78.6	78.7	78.7	78.7	78.7	78.9
17- 1000	66.0	71.5	73.7	74.7	77.1	77.1	77.7	78.8	78.8	79.6	80.0	80.1	80.1	80.1	80.1	80.3
18- 1000	67.3	73.4	75.9	76.9	79.6	79.6	80.3	81.4	81.4	82.2	82.6	82.7	82.7	82.7	82.7	82.9
19- 1000	67.8	74.1	76.5	77.5	80.2	80.2	80.3	81.1	81.1	82.3	82.3	83.1	83.5	83.7	83.7	83.9
20- 1000	68.9	75.4	77.8	78.9	81.6	81.6	82.5	83.9	83.9	84.7	85.2	85.3	85.3	85.3	85.3	85.5
21- 1000	70.3	77.0	79.5	80.5	83.5	83.5	84.6	86.2	86.3	87.5	88.7	88.8	88.8	88.8	88.8	89.4
22- 1000	72.2	79.0	81.7	82.6	86.2	86.2	87.4	89.1	89.4	90.8	91.3	91.4	91.4	91.4	91.4	91.7
23- 1000	72.6	79.7	82.7	84.0	87.4	87.4	88.6	90.3	90.5	91.9	92.5	92.6	92.7	92.7	92.7	93.0
24- 1000	72.8	79.9	82.9	84.4	87.8	87.8	89.1	90.9	91.1	92.6	93.1	93.2	93.3	93.3	93.3	93.8
25- 1000	73.0	80.2	83.2	84.7	88.2	88.2	89.6	91.3	91.5	93.1	93.7	93.8	93.9	93.9	93.9	94.3
26- 1000	73.0	80.4	83.4	84.9	88.4	88.4	89.8	91.5	91.7	93.3	94.0	94.1	94.2	94.2	94.2	94.6
27- 1000	73.3	81.1	84.3	85.8	89.2	89.2	90.6	92.3	92.8	94.7	95.4	95.5	95.6	95.6	95.6	96.1
28- 1000	73.5	81.6	84.9	86.6	90.1	90.1	91.6	93.8	94.0	95.8	96.5	96.6	96.7	96.7	96.7	97.2
29- 1000	73.5	81.6	84.9	86.6	90.2	90.2	91.8	94.0	94.2	96.1	97.0	97.1	97.3	97.6	97.6	98.2
30- 1000	73.5	81.7	85.1	86.6	90.4	90.4	92.0	94.3	94.5	96.5	97.5	97.7	98.1	98.5	98.5	99.2
31- 1000	73.5	81.7	85.1	86.8	90.4	90.4	92.0	94.3	94.5	96.5	97.5	97.8	98.2	98.6	98.6	99.7
32- 1000	73.5	81.7	85.1	86.8	90.4	90.4	92.0	94.3	94.5	96.5	97.5	97.8	98.2	98.6	98.6	99.7

TOTAL NUMBER OF OBSERVATIONS 933

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675
STATION

MINOT AFB ND

STATION NAME

73-02

YEAR

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

222-1122

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	45.6	48.5	51.5	51.2	52.6	52.7	53.1	53.9	54.1	54.5	55.7	55.7	56.2	56.2	56.3	56.7
≥20000	45.1	51.5	53.7	54.4	56.0	56.1	56.6	57.3	57.4	58.5	59.2	59.2	59.8	59.8	59.9	60.2
≥18000	45.5	52.0	54.2	54.9	55.6	56.7	57.1	57.8	58.0	59.0	59.8	59.8	60.3	60.3	60.4	60.8
≥16000	45.6	52.3	54.4	55.2	56.8	56.9	57.3	58.1	58.2	59.2	60.0	60.0	60.5	60.5	60.5	61.0
≥14000	49.4	53.1	55.3	56.0	57.6	57.7	58.2	58.9	59.1	60.1	60.9	60.9	61.4	61.4	61.5	61.8
≥12000	50.5	54.5	56.7	57.4	59.0	59.1	59.6	60.3	60.4	61.5	62.3	62.3	62.8	62.8	62.9	63.2
≥10000	50.0	57.2	59.4	60.1	61.7	61.8	62.3	63.1	63.2	64.3	65.1	65.1	65.6	65.6	65.7	66.0
≥8000	54.6	58.8	61.0	61.7	63.3	63.4	64.0	64.3	64.9	66.0	66.8	66.8	67.3	67.3	67.4	67.7
≥6000	56.3	61.1	63.4	64.3	66.0	66.1	66.7	67.5	67.6	68.8	69.7	69.7	70.2	70.3	70.4	70.8
≥4000	58.5	62.3	65.2	66.0	67.7	67.8	68.4	69.2	69.4	70.6	71.5	71.5	72.0	72.0	72.3	72.6
≥2000	58.9	63.2	65.6	66.7	68.4	68.5	69.0	69.9	70.7	71.3	72.2	72.2	72.7	72.6	72.9	73.0
≥1000	60.3	64.7	67.1	68.3	70.1	70.2	70.9	71.7	71.9	73.2	74.2	74.2	74.7	74.6	74.9	75.3
≥500	60.3	65.2	67.6	68.8	70.5	70.8	71.4	72.3	72.4	73.8	74.7	74.7	75.3	75.4	75.5	75.8
≥250	61.5	66.1	68.5	69.6	71.7	71.8	72.5	73.4	73.5	75.2	76.2	76.2	76.8	76.9	77.0	77.3
≥125	62.2	66.9	69.4	70.5	72.5	72.6	73.2	74.2	74.3	75.9	77.0	77.0	77.5	77.6	77.7	78.1
≥62.5	63.0	68.2	71.0	72.2	74.1	74.3	75.1	76.1	76.2	78.0	79.1	79.1	79.7	79.8	79.9	80.2
≥31.25	64.0	69.6	72.7	74.1	76.3	76.6	77.3	78.4	78.5	80.2	81.4	81.4	81.9	82.0	82.2	82.5
≥15.625	64.4	70.2	73.5	75.1	77.6	77.8	79.0	80.2	80.4	82.3	83.5	83.5	84.2	84.5	84.6	84.9
≥7.8125	64.8	71.0	74.4	75.9	78.9	79.2	80.8	82.0	82.3	84.3	85.6	85.6	86.2	86.6	86.7	87.0
≥3.90625	65.3	71.4	75.1	76.7	79.8	80.1	81.6	83.2	83.4	85.7	87.0	87.0	87.6	88.0	88.1	88.4
≥1.953125	66.2	72.0	76.7	78.5	81.7	82.0	83.7	85.4	85.7	88.5	89.9	89.9	90.9	91.2	91.3	91.6
≥0.9765625	66.9	74.2	78.1	79.9	83.2	83.5	85.2	86.9	87.3	90.3	91.9	91.9	93.0	93.3	93.5	93.9
≥0.48828125	67.0	74.8	78.7	80.8	84.1	84.4	86.0	87.7	88.2	91.2	92.8	92.8	94.0	94.4	94.6	94.9
≥0.244140625	67.1	75.1	78.9	81.0	84.3	84.7	86.3	88.1	88.5	91.5	93.1	93.2	94.5	95.1	95.3	95.6
≥0.1220703125	67.3	75.3	79.1	81.2	84.5	84.9	86.7	88.4	88.9	91.8	93.4	93.5	94.8	95.4	95.6	95.9
≥0.06103515625	67.6	75.7	79.6	81.6	84.9	85.4	87.2	88.9	89.4	92.5	94.1	94.2	95.5	96.0	96.2	96.6
≥0.030517578125	68.0	76.2	80.1	82.3	85.6	86.0	88.0	89.7	90.1	93.5	95.2	95.3	96.6	97.1	97.3	97.6
≥0.0152587890625	68.0	76.2	80.3	82.7	86.1	86.6	88.6	90.4	90.7	94.5	96.1	96.2	97.5	98.2	98.4	98.7
≥0.00762939453125	68.0	76.2	80.3	82.7	86.1	86.6	88.6	90.4	90.9	94.5	96.1	96.2	97.7	98.8	99.0	99.4
≥0.003814697265625	68.0	76.2	80.3	82.7	86.1	86.6	88.6	90.4	90.9	94.5	96.1	96.2	97.7	98.8	99.0	99.7
≥0.0019073486328125	68.0	76.2	80.3	82.7	86.1	86.6	88.6	90.4	90.9	94.5	96.1	96.2	97.7	98.8	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 937

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB MO

73-82

14

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.01	≥0.001
≥1000	46.7	51.0	51.5	52.4	53.7	53.7	54.5	55.2	55.5	56.3	56.5	56.6	57.2	57.4	57.6	57.8
≥800	5.9	55.3	55.2	56.8	55.1	58.1	58.9	59.8	60.3	61.1	61.5	61.6	62.1	62.3	62.5	63.1
≥600	51.7	55.4	56.3	56.9	58.2	58.2	59.0	60.0	60.4	61.2	61.5	61.7	62.2	62.4	62.6	63.1
≥400	51.0	55.4	56.3	56.9	58.2	58.2	59.0	60.0	60.4	61.2	61.5	61.7	62.2	62.4	62.6	63.1
≥200	51.3	55.8	56.4	57.3	58.7	58.7	59.4	60.4	60.8	61.8	62.1	62.2	62.8	63.0	63.2	63.6
≥100	52.0	56.5	57.4	58.0	59.4	59.4	60.2	61.1	61.5	62.5	62.7	63.0	63.5	63.7	63.9	64.4
≥80	55.7	61.1	62.0	62.8	64.2	64.2	65.1	66.1	66.5	67.5	67.9	68.0	68.5	68.8	69.0	69.4
≥60	56.4	62.1	63.0	63.7	65.1	65.1	66.1	67.1	67.5	68.5	68.9	69.0	69.5	69.8	70.0	70.4
≥40	59.3	65.7	66.6	67.4	69.2	69.3	70.4	71.5	71.9	73.2	73.6	74.0	74.5	74.7	75.0	75.5
≥20	60.5	67.0	68.0	68.8	70.6	70.7	71.8	72.9	73.3	74.6	75.2	75.3	75.9	76.1	76.4	76.9
≥10	61.4	67.8	69.1	70.0	71.9	72.0	73.1	74.2	74.6	75.9	76.5	76.6	77.2	77.4	77.7	78.1
≥5	62.4	68.5	70.5	71.6	74.0	74.1	75.1	76.2	76.6	77.9	78.7	78.8	79.3	79.5	79.9	80.3
≥2.5	62.8	69.3	70.8	72.3	74.6	74.7	75.8	76.9	77.3	78.6	79.3	79.4	80.0	80.2	80.5	80.9
≥1.5	63.3	70.2	71.7	73.4	75.9	76.1	77.2	78.4	78.9	80.3	81.1	81.2	81.7	81.9	82.2	82.7
≥1	63.3	70.4	72.0	73.7	76.4	76.6	77.7	78.9	79.4	80.8	81.6	81.7	82.2	82.5	82.8	83.3
≥0.75	63.3	71.6	73.4	75.1	77.9	78.1	79.3	80.7	81.3	82.9	83.7	84.0	84.6	84.8	85.3	85.8
≥0.5	64.3	72.6	74.8	76.7	80.0	80.3	81.5	83.0	83.5	85.1	86.0	86.2	86.9	87.1	87.5	88.1
≥0.25	64.5	73.1	75.5	77.5	80.9	81.3	82.6	84.2	84.7	86.4	87.3	87.5	88.2	88.5	89.1	89.7
≥0.1	64.6	73.3	75.7	77.7	81.2	81.5	83.0	84.8	85.4	87.1	88.1	88.3	88.9	89.2	89.9	90.4
≥0.05	64.8	73.7	76.2	78.3	81.8	82.1	83.6	85.5	86.1	87.9	88.9	89.1	89.8	90.1	90.7	91.3
≥0.01	65.3	74.5	77.0	79.0	82.7	83.0	84.5	86.7	87.4	89.5	90.4	90.6	91.4	91.7	92.4	92.9
≥0.001	66.3	75.7	78.1	80.2	84.0	84.3	85.8	87.9	89.7	91.1	92.5	92.7	93.6	94.0	94.6	95.2
≥0.0001	66.3	75.8	78.3	80.3	84.1	84.4	85.9	88.1	88.9	91.2	92.7	92.9	94.0	94.3	94.9	95.5
≥0.00001	66.3	75.8	78.4	80.4	84.3	84.6	86.4	88.7	89.5	91.9	93.6	93.9	95.0	95.4	96.0	96.6
≥0.000001	66.4	75.9	78.5	80.5	84.4	84.7	86.5	88.8	89.6	92.0	93.8	94.0	95.2	95.5	96.3	97.0
≥0.0000001	66.7	76.2	78.8	80.8	84.8	85.1	87.1	89.6	90.4	93.1	94.9	95.2	96.3	96.7	97.5	98.2
≥0.00000001	66.7	76.3	78.9	80.9	85.0	85.4	87.3	89.8	90.6	93.4	95.5	95.7	96.9	97.2	98.1	98.7
≥0.000000001	66.7	76.3	79.0	81.2	85.4	85.7	87.6	90.1	91.0	93.8	95.8	96.0	97.2	97.5	98.4	99.0
≥0.0000000001	66.7	76.3	79.0	81.2	85.4	85.7	87.6	90.1	91.0	94.0	96.1	96.3	97.5	97.7	98.6	99.2
≥0.00000000001	66.7	76.3	79.0	81.2	85.4	85.7	87.6	90.1	91.0	94.0	96.1	96.3	97.5	97.7	98.8	99.7
≥0.000000000001	66.7	76.3	79.0	81.2	85.4	85.7	87.6	90.1	91.0	94.0	96.1	96.3	97.5	97.7	98.8	99.7

TOTAL NUMBER OF OBSERVATIONS 529

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575
STATION

MINOT AFB ND

STATION NAME

73-32

YEAR

JA

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1522-1722

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.9	≥0.8	≥0.7	≥0.6	≥0.5	≥0.4
≥20000	49.6	50.8	51.7	52.3	53.4	53.4	54.4	54.7	54.8	55.1	55.7	55.7	55.1	56.2	56.3	56.8
≥18000	53.1	55.4	56.3	57.0	58.2	58.3	59.2	59.6	59.7	60.1	60.7	60.9	61.5	61.6	61.7	62.2
≥16000	53.1	55.5	56.5	57.1	58.4	58.5	59.5	59.8	59.9	60.3	61.1	61.1	61.7	61.8	61.9	62.4
≥14000	53.3	55.7	56.7	57.3	58.6	58.7	59.7	60.0	60.1	60.5	61.3	61.3	61.9	62.0	62.2	62.6
≥12000	53.9	56.2	57.2	57.8	59.1	59.2	60.2	60.5	60.6	61.1	61.8	61.8	62.5	62.6	62.7	63.1
≥10000	55.4	56.0	59.1	59.6	61.3	61.4	62.4	62.7	62.8	63.2	64.0	64.0	64.6	64.7	64.8	65.3
≥8000	59.5	62.0	63.2	63.9	65.4	65.6	66.6	66.7	67.0	67.4	68.2	68.2	68.8	68.9	69.0	69.5
≥6000	60.6	63.4	64.6	65.3	66.8	67.0	68.0	68.3	68.4	68.8	69.6	69.6	70.2	70.2	70.4	70.9
≥4000	63.4	67.2	68.6	69.2	71.1	71.3	72.5	72.8	72.9	73.4	74.2	74.2	74.8	74.9	75.1	75.5
≥2000	64.4	68.5	69.9	70.6	72.7	73.0	74.2	74.5	74.6	75.2	75.9	75.9	76.6	76.7	76.8	77.2
≥1000	65.2	69.7	71.1	71.8	73.9	74.2	75.5	75.8	75.9	76.5	77.2	77.2	77.8	78.0	78.1	78.5
≥500	66.0	71.0	72.4	73.2	75.6	76.1	77.7	78.1	78.2	78.7	79.6	79.6	80.2	80.3	80.4	80.9
≥250	66.2	71.2	72.6	73.4	75.8	76.3	78.0	78.3	78.4	78.9	79.8	79.8	80.4	80.5	80.6	81.1
≥125	67.1	72.2	73.7	74.7	77.1	77.6	79.2	79.6	79.7	80.2	81.1	81.1	81.8	81.9	82.0	82.5
≥62.5	67.4	72.7	74.3	75.4	77.7	78.3	79.9	80.2	80.3	80.9	81.7	81.7	82.5	82.6	82.7	83.1
≥31.25	68.0	73.8	75.6	76.8	79.4	80.0	81.6	81.9	82.2	82.9	83.8	83.8	84.6	84.7	84.9	85.5
≥15.625	66.7	74.9	76.8	78.0	80.8	81.4	83.2	83.8	84.0	84.7	85.6	85.6	86.7	86.8	87.0	87.5
≥7.8125	65.0	75.8	77.8	79.0	81.8	82.5	84.4	85.1	85.3	86.0	87.1	87.1	88.2	88.3	88.7	89.2
≥3.90625	65.2	76.1	78.3	79.5	82.3	82.9	84.8	85.5	85.7	86.5	87.5	87.6	88.7	88.8	89.2	89.8
≥1.953125	70.0	77.3	79.6	80.6	83.8	84.4	86.5	87.2	87.4	88.3	89.5	89.5	90.6	91.0	91.4	91.9
≥0.9765625	70.2	77.7	80.0	81.2	84.4	85.1	87.1	88.0	88.2	89.7	90.9	90.9	92.0	92.4	92.8	93.3
≥0.48828125	70.9	78.5	81.1	82.5	86.0	86.7	88.8	89.7	89.9	91.8	93.1	93.3	94.6	94.9	95.5	96.0
≥0.244140625	71.2	79.1	81.8	83.2	86.8	87.4	89.6	90.6	90.9	92.9	94.3	94.5	95.8	96.1	96.7	97.2
≥0.1220703125	71.4	79.5	82.2	83.5	87.2	87.8	90.0	91.1	91.3	93.3	94.9	95.2	96.7	97.2	97.7	98.3
≥0.06103515625	71.5	79.6	82.4	83.8	87.4	88.1	90.2	91.3	91.5	93.8	95.4	95.6	97.1	97.6	98.2	98.7
≥0.030517578125	71.8	79.9	82.7	84.1	87.7	88.4	90.5	91.6	91.8	94.1	95.7	95.9	97.4	98.0	98.5	99.1
≥0.0152587890625	71.8	80.0	82.8	84.2	87.8	88.5	90.8	91.8	92.0	94.3	95.9	96.1	97.6	98.2	98.7	99.4
≥0.00762939453125	71.8	80.0	82.9	84.3	88.0	88.6	90.9	91.9	92.2	94.4	96.0	96.2	97.7	98.3	98.9	99.5
≥0.003814697265625	71.8	80.0	82.9	84.3	88.0	88.6	90.9	91.9	92.2	94.4	96.0	96.2	97.7	98.3	98.9	99.5
≥0.0019073486328125	71.8	80.0	82.9	84.3	88.0	88.6	91.0	92.0	92.3	94.5	96.2	96.5	98.0	98.5	99.0	99.7
≥0.00095367431640625	71.8	80.0	82.9	84.3	88.0	88.6	91.0	92.0	92.3	94.5	96.2	96.5	98.0	98.5	99.0	99.7

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

STATION NAME

73-82

YEAR

144

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

8-5-73

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	48.6	50.8	51.6	52.2	52.8	53.0	54.0	54.3	54.3	54.4	54.8	54.8	55.1	55.1	55.1	55.3
≥ 20000	52.8	55.1	55.9	56.5	57.4	57.6	58.6	58.9	58.9	59.0	59.5	59.5	59.7	59.7	59.8	60.0
≥ 18000	53.0	55.3	56.1	56.7	57.6	57.8	58.8	59.1	59.1	59.2	59.7	59.7	59.9	59.9	60.0	60.2
≥ 16000	53.0	55.3	56.1	56.7	57.6	57.8	58.8	59.1	59.1	59.2	59.7	59.7	59.9	59.9	60.0	60.2
≥ 14000	53.7	55.9	56.8	57.3	58.3	58.5	59.5	59.8	59.8	59.9	60.3	60.3	60.5	60.5	60.6	60.9
≥ 12000	55.1	57.3	58.2	58.7	59.7	59.9	60.9	61.2	61.2	61.3	61.7	61.7	61.9	61.9	62.0	62.3
≥ 10000	58.9	61.2	62.0	62.6	63.9	64.1	65.1	65.4	65.4	65.5	65.9	65.9	66.1	66.1	66.2	66.5
≥ 9000	59.6	61.8	62.7	63.2	64.5	64.7	65.7	66.1	66.1	66.1	66.6	66.6	66.8	66.8	66.9	67.1
≥ 8000	63.4	65.8	66.8	67.3	68.6	68.8	69.8	70.2	70.2	70.3	70.8	70.8	71.0	71.0	71.1	71.3
≥ 7000	64.4	67.1	68.2	68.7	70.0	70.2	71.2	71.6	71.6	71.7	72.2	72.2	72.4	72.4	72.5	72.7
≥ 6000	65.4	68.5	69.5	70.1	71.4	71.6	72.6	73.0	73.0	73.1	73.5	73.5	73.8	73.9	73.9	74.1
≥ 5000	66.7	70.2	71.7	72.7	74.1	74.4	75.4	75.8	75.8	75.9	76.3	76.3	76.5	76.6	76.7	76.9
≥ 4500	67.5	71.2	72.7	73.7	75.1	75.4	76.3	76.8	76.8	76.9	77.3	77.3	77.5	77.5	77.6	77.8
≥ 4000	68.4	72.4	73.9	74.9	76.7	77.2	78.3	78.8	78.8	78.9	79.4	79.4	79.6	79.6	79.7	79.9
≥ 3500	69.0	73.1	74.7	75.8	77.5	78.1	79.2	79.8	79.8	79.9	80.3	80.3	80.5	80.5	80.6	80.9
≥ 3000	69.6	74.0	75.7	76.7	78.9	79.5	80.6	81.2	81.3	81.5	82.2	82.2	82.4	82.4	82.5	82.8
≥ 2500	70.4	75.5	77.8	79.0	81.1	81.6	82.9	83.5	83.9	84.1	84.8	84.8	85.1	85.1	85.3	85.5
≥ 2000	71.4	77.1	79.6	80.8	82.9	83.5	84.8	85.7	85.9	86.2	87.0	87.0	87.2	87.2	87.4	87.6
≥ 1800	71.7	77.5	80.0	81.2	83.3	84.0	85.3	86.1	86.3	86.7	87.4	87.4	87.6	87.6	87.8	88.1
≥ 1600	72.4	78.6	81.1	82.4	84.7	85.4	86.7	88.0	88.4	88.7	89.6	89.7	90.0	90.0	90.2	90.4
≥ 1400	73.5	80.1	82.8	84.1	86.7	87.3	88.6	90.0	90.4	90.9	91.8	91.9	92.3	92.3	92.5	92.7
≥ 1200	75.4	82.2	84.9	86.2	88.9	89.6	90.9	92.4	92.8	93.4	94.8	94.9	95.3	95.3	95.5	95.8
≥ 1000	75.8	82.6	85.4	86.7	89.4	90.0	91.3	92.8	93.2	93.9	95.4	95.5	95.8	95.8	96.0	96.3
≥ 900	76.2	83.0	85.8	87.1	89.8	90.4	91.7	93.2	93.7	94.4	96.2	96.3	96.7	96.7	96.9	97.2
≥ 800	76.5	83.2	86.0	87.3	90.1	90.8	92.0	93.7	94.1	94.8	97.1	97.2	97.5	97.5	97.7	98.2
≥ 700	76.8	83.7	86.5	87.8	90.6	91.3	92.6	94.2	94.6	95.4	97.7	98.0	98.3	98.3	98.5	98.9
≥ 600	76.9	83.8	86.6	88.0	90.8	91.4	92.7	94.3	94.7	95.5	97.8	98.1	98.4	98.4	98.6	99.0
≥ 500	77.1	84.0	86.8	88.2	91.0	91.6	92.9	94.5	94.9	95.7	98.1	98.3	98.6	98.6	98.8	99.2
≥ 400	77.1	84.2	87.1	88.4	91.2	91.8	93.1	94.7	95.2	95.9	98.3	98.5	98.8	98.8	99.0	99.5
≥ 300	77.1	84.2	87.1	88.5	91.3	91.9	93.2	94.8	95.3	96.1	98.5	98.7	99.0	99.0	99.2	99.7
≥ 200	77.1	84.2	87.1	88.5	91.3	91.9	93.2	94.8	95.3	96.1	98.5	98.7	99.0	99.0	99.2	99.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675

MINCI AFB ND

73-02

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

112-2322

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	51.3	52.9	53.2	53.5	54.3	54.5	55.2	55.4	55.4	55.6	56.2	56.2	56.5	56.6	56.6	56.7
≥20000	53.7	56.6	57.3	57.3	58.1	58.3	58.9	59.1	59.1	59.4	59.8	60.0	60.2	60.3	60.3	60.4
≥18000	53.9	56.8	57.2	57.5	58.3	58.5	59.1	59.4	59.4	59.5	60.0	60.2	60.4	60.5	60.5	60.6
≥16000	53.9	56.8	57.2	57.5	58.3	58.5	59.1	59.4	59.4	59.6	60.0	60.2	60.4	60.5	60.5	60.6
≥14000	54.1	57.0	57.4	57.7	58.5	58.7	59.4	59.6	59.6	59.8	60.2	60.4	60.6	60.8	60.8	60.9
≥12000	54.3	56.0	56.5	56.8	57.6	57.8	60.4	60.6	60.6	60.9	61.3	61.5	61.7	61.8	61.8	61.9
≥10000	58.9	62.0	62.6	63.0	63.9	64.1	64.7	64.9	64.9	65.2	65.6	65.8	66.0	66.1	66.1	66.2
≥9000	59.9	63.1	63.7	64.2	65.1	65.3	65.7	66.1	66.1	66.3	66.8	67.0	67.2	67.3	67.3	67.4
≥8000	62.4	65.6	66.2	66.8	67.7	68.0	68.6	68.8	68.9	69.0	69.5	69.7	69.9	70.0	70.0	70.1
≥7000	63.5	66.8	67.4	68.0	69.0	69.2	69.9	70.1	70.1	70.3	70.8	71.0	71.2	71.3	71.3	71.4
≥6000	64.2	67.6	68.3	68.8	70.0	70.3	71.0	71.2	71.2	71.4	71.8	72.0	72.3	72.4	72.4	72.5
≥5000	65.5	69.5	70.2	70.8	72.0	72.5	73.1	73.3	73.3	73.5	74.0	74.2	74.4	74.5	74.5	74.6
≥4500	66.8	70.6	71.5	72.0	73.3	73.8	74.4	74.6	74.6	74.8	75.3	75.5	75.7	75.8	75.8	75.9
≥4000	67.8	72.2	73.3	74.0	75.6	76.1	76.9	77.1	77.1	77.3	77.7	78.0	78.2	78.3	78.3	78.4
≥3500	69.2	72.6	73.8	74.6	76.6	77.3	78.1	78.4	78.4	78.6	79.0	79.2	79.5	79.6	79.6	79.7
≥3000	69.1	73.7	74.9	76.2	78.5	79.5	80.2	80.5	80.5	81.0	81.4	81.6	81.8	81.9	81.9	82.0
≥2500	69.8	74.7	76.2	77.6	80.0	81.0	81.7	82.0	82.0	82.5	82.9	83.1	83.3	83.4	83.4	83.5
≥2000	70.5	76.1	77.7	79.5	82.2	83.1	83.9	84.2	84.2	84.8	85.3	85.5	85.7	85.8	85.8	85.9
≥1800	71.1	76.7	78.3	80.0	82.7	83.7	84.5	84.8	84.8	85.5	85.9	86.1	86.3	86.5	86.5	86.6
≥1600	72.5	78.2	80.1	81.9	84.8	85.8	86.9	87.3	87.3	88.1	88.5	88.7	88.9	89.0	89.0	89.1
≥1400	73.5	79.6	81.5	83.3	86.2	87.2	88.7	89.4	89.5	90.3	90.9	91.1	91.3	91.4	91.4	91.5
≥1200	74.3	80.5	82.5	84.3	87.2	88.2	89.9	90.6	90.8	91.7	92.5	92.7	93.0	93.1	93.1	93.4
≥1000	74.5	80.8	82.7	84.6	87.5	88.5	90.2	91.0	91.1	92.0	92.8	93.0	93.3	93.4	93.4	93.6
≥900	74.7	81.0	82.9	84.8	87.7	88.7	90.4	91.4	91.5	92.6	93.4	93.7	94.0	94.1	94.1	94.4
≥800	75.2	81.5	83.4	85.4	88.3	89.2	91.0	91.9	92.0	93.2	94.3	94.5	94.8	94.9	95.2	95.5
≥700	75.4	81.8	83.8	85.7	88.7	89.7	91.4	92.4	92.5	94.1	95.3	95.5	95.8	95.9	96.1	96.5
≥600	75.4	81.9	83.9	85.8	88.8	89.9	91.6	92.6	92.7	94.7	95.9	96.3	96.7	96.8	97.0	97.4
≥500	75.7	82.5	84.4	86.5	89.5	90.5	92.4	93.3	93.4	95.7	96.9	97.3	97.6	97.7	98.0	98.4
≥400	75.9	82.7	84.6	86.7	89.7	90.8	92.6	93.5	93.7	95.9	97.2	97.6	98.0	98.1	98.3	98.7
≥300	76.0	82.9	84.8	87.0	90.1	91.3	93.1	94.1	94.2	96.5	97.7	98.2	98.5	98.6	98.8	99.2
≥200	76.0	82.9	84.8	87.0	90.1	91.3	93.1	94.1	94.2	96.5	97.7	98.2	98.6	98.7	98.9	99.7
≥100	76.0	82.9	84.8	87.0	90.1	91.3	93.1	94.1	94.2	96.5	97.7	98.2	98.6	98.7	98.9	99.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575
STATION

MINOT AFB ND

STATION NAME

73-67

YEAR

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	49.8	51.7	52.6	53.3	54.3	54.4	54.9	55.4	55.5	55.9	56.4	56.5	56.7	56.8	56.8	57.0
18000	52.3	55.3	56.3	57.2	58.1	58.2	58.8	59.3	59.4	59.8	60.4	60.6	60.9	61.0	61.1	61.1
16000	52.5	55.5	56.5	57.2	58.3	58.4	59.0	59.5	59.5	60.0	60.6	60.6	60.9	61.0	61.1	61.3
14000	52.5	55.6	56.6	57.2	58.4	58.5	59.0	59.5	59.6	60.1	60.6	60.7	61.0	61.1	61.1	61.3
12000	53.0	56.0	57.0	57.7	58.9	59.0	59.6	60.0	60.1	60.6	61.1	61.2	61.5	61.6	61.6	61.9
10000	54.0	57.1	58.2	58.9	60.1	60.2	60.7	61.2	61.3	61.3	62.3	62.4	62.7	62.7	62.8	63.0
8000	57.4	60.7	61.9	62.5	63.7	63.9	64.5	65.0	65.0	65.5	66.1	66.1	66.4	66.5	66.6	66.6
6000	58.3	61.7	62.5	63.5	64.7	64.9	65.5	66.0	66.1	66.6	67.1	67.2	67.5	67.5	67.6	67.8
4000	61.0	64.7	65.8	66.6	67.9	68.1	68.8	69.3	69.3	69.9	70.5	70.6	70.9	70.9	71.0	71.2
2000	62.3	66.1	67.3	68.1	69.5	69.7	70.4	70.9	71.0	71.5	72.1	72.2	72.5	72.6	72.6	72.9
1000	63.2	67.2	68.4	69.3	70.7	70.9	71.6	72.1	72.2	72.7	73.3	73.4	73.7	73.8	73.9	74.1
500	64.5	68.8	70.2	71.1	72.7	73.3	73.8	74.3	74.4	75.0	75.6	75.7	76.0	76.0	76.1	76.3
200	65.2	69.5	70.9	72.0	73.6	73.9	74.6	75.2	75.3	75.9	76.5	76.5	76.9	76.9	77.0	77.2
100	66.2	70.6	72.4	73.4	75.2	75.6	76.4	77.0	77.1	77.8	78.4	78.5	78.8	78.9	78.9	79.2
50	66.7	71.5	73.1	74.2	76.1	76.5	77.3	78.0	78.1	78.7	79.4	79.4	79.8	79.8	79.9	80.1
20	67.5	72.7	74.4	75.7	77.7	78.1	79.1	79.7	79.9	80.7	81.3	81.4	81.8	81.8	82.0	82.2
10	68.3	73.9	75.9	77.0	79.4	79.9	80.9	81.6	81.7	82.5	83.2	83.3	83.7	83.8	83.9	84.1
5	69.1	75.2	77.3	78.7	81.1	81.6	82.6	83.3	83.6	84.5	85.2	85.3	85.7	85.8	85.9	86.2
2	69.5	75.7	77.9	79.4	81.8	82.3	83.5	84.4	84.5	85.4	86.2	86.3	86.7	86.8	86.9	87.2
1	70.3	76.8	79.1	80.6	83.2	83.6	84.9	85.9	86.1	87.1	87.9	88.0	88.4	88.5	88.7	89.0
0.5	71.3	78.1	80.5	82.0	84.8	85.3	86.6	87.8	88.1	89.4	90.2	90.3	90.8	91.0	91.2	91.4
0.2	72.3	79.4	81.8	83.4	86.4	86.9	88.4	89.6	89.9	91.4	92.5	92.6	93.2	93.3	93.5	93.8
0.1	72.6	79.9	82.4	84.0	87.1	87.6	89.0	90.3	90.6	92.1	93.3	93.4	94.0	94.2	94.4	94.7
0.05	72.9	80.2	82.7	84.4	87.5	88.0	89.5	90.9	91.1	92.7	94.0	94.2	94.9	95.1	95.3	95.6
0.02	73.1	80.4	83.0	84.7	87.8	88.3	89.8	91.3	91.5	93.2	94.6	94.7	95.4	95.6	95.9	96.3
0.01	73.3	80.7	83.3	85.0	88.1	88.6	90.2	91.7	92.0	93.7	95.2	95.3	96.0	96.2	96.5	96.9
0.005	73.5	81.1	83.7	85.4	88.6	89.2	90.8	92.3	92.6	94.5	96.0	96.2	96.9	97.1	97.4	97.6
0.002	73.5	81.2	83.9	85.7	89.0	89.6	91.2	92.7	93.0	95.0	96.5	96.7	97.4	97.6	97.9	98.3
0.001	73.6	81.3	84.0	85.8	89.1	89.7	91.3	92.9	93.2	95.2	96.8	97.0	97.8	98.1	98.4	98.8
0.0005	73.6	81.4	84.1	85.9	89.2	89.8	91.5	93.1	93.4	95.5	97.1	97.3	98.1	98.5	98.7	99.2
0.0002	73.6	81.4	84.1	85.9	89.2	89.8	91.5	93.1	93.4	95.5	97.1	97.4	98.2	98.6	98.8	99.7
0.0001	73.6	81.4	84.1	85.9	89.2	89.8	91.5	93.1	93.4	95.5	97.1	97.4	98.2	98.6	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7438

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575
STATION

MINOT AFB ND

STATION NAME

73-37

YEAR

FEB

1952

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

727-7277

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥2000	52.1	52.6	52.8	53.1	53.4	53.5	53.5	53.7	53.9	54.1	54.1	54.1	54.1	54.4	54.4	54.4
1800	54.7	55.2	55.4	55.7	56.1	56.3	56.4	56.7	56.7	57.0	57.0	57.0	57.0	57.2	57.2	57.2
1600	54.9	55.3	55.6	55.8	56.3	56.4	56.5	56.9	56.9	57.1	57.1	57.1	57.1	57.3	57.3	57.3
1400	54.8	55.3	55.6	55.8	56.3	56.4	56.5	56.9	56.9	57.1	57.1	57.1	57.1	57.3	57.3	57.3
1200	55.1	55.4	55.7	55.9	56.4	56.5	56.6	57.0	57.7	57.2	57.2	57.2	57.2	57.4	57.4	57.4
1000	55.9	56.4	56.6	56.9	57.3	57.4	57.6	57.9	57.9	58.2	58.2	58.2	58.2	58.4	58.4	58.4
800	56.7	58.6	58.9	59.1	59.6	59.7	59.8	60.2	60.7	60.4	60.4	60.4	60.4	60.5	60.5	60.5
600	56.6	59.3	59.6	59.8	60.3	60.4	60.5	60.9	60.9	61.1	61.1	61.1	61.1	61.3	61.3	61.3
400	57.4	61.3	61.6	61.8	62.6	62.8	63.0	63.4	63.4	63.6	63.6	63.6	63.6	63.8	63.8	63.8
200	61.1	62.1	62.3	62.5	63.4	63.5	63.7	64.1	64.1	64.3	64.3	64.3	64.3	64.5	64.5	64.5
100	61.8	62.8	63.0	63.2	64.1	64.2	64.4	64.6	64.8	65.0	65.0	65.0	65.0	65.2	65.2	65.2
50	63.6	64.8	65.4	65.7	66.7	66.8	67.1	67.5	67.5	67.7	67.7	67.7	67.7	68.0	68.0	68.0
25	64.2	65.8	66.5	66.9	67.8	68.1	68.3	68.7	68.7	68.9	68.9	68.9	68.9	69.1	69.1	69.1
12	64.9	67.1	68.2	68.7	69.7	69.9	70.4	70.9	70.9	71.3	71.3	71.3	71.3	71.5	71.5	71.5
6	65.7	68.3	69.5	70.2	71.3	71.4	72.0	72.5	72.5	72.8	72.8	72.8	72.8	73.2	73.2	73.3
3	67.0	70.1	71.5	72.2	73.4	73.8	74.3	74.8	74.8	75.2	75.2	75.2	75.2	75.5	75.5	75.7
1	68.1	71.6	73.3	74.1	75.8	76.2	76.8	77.5	77.5	77.9	77.9	77.9	77.9	78.3	78.3	78.4
0	69.6	73.5	75.9	76.7	78.7	79.2	79.9	80.9	80.9	81.2	81.2	81.2	81.2	81.6	81.6	81.7
0	70.9	76.1	79.6	79.6	81.6	82.0	82.7	83.7	83.7	84.2	84.2	84.2	84.2	84.5	84.5	84.6
0	72.9	78.7	81.2	82.2	84.5	85.1	85.8	86.8	86.9	87.4	87.4	87.4	87.4	87.7	87.7	87.8
0	73.8	80.4	83.1	84.2	86.8	87.4	88.1	89.2	89.7	90.2	90.5	90.5	90.5	90.8	90.8	91.0
0	73.9	80.6	83.5	84.6	87.5	88.1	88.9	90.4	90.9	91.4	91.7	91.7	91.7	92.1	92.1	92.2
0	74.3	81.1	83.9	85.1	87.9	88.5	89.4	90.9	91.4	91.8	92.3	92.3	92.3	92.7	92.7	92.8
0	74.5	81.4	84.3	85.5	89.3	88.9	89.7	91.4	91.8	92.3	93.0	93.0	93.0	93.4	93.5	93.6
0	75.1	82.3	85.5	87.1	90.1	90.6	91.6	93.6	94.1	94.7	95.4	95.6	95.6	96.0	96.1	96.2
0	75.2	82.6	85.8	87.5	90.4	91.3	92.2	94.3	94.8	95.4	96.1	96.3	96.3	96.7	96.8	96.9
0	75.2	83.1	86.4	88.1	91.0	91.8	92.8	94.9	95.4	96.3	97.0	97.3	97.3	97.6	97.8	97.9
0	75.2	83.1	86.5	88.2	91.3	92.1	93.3	95.5	96.1	97.2	98.1	98.3	98.5	98.8	98.9	99.2
0	75.2	83.1	86.5	88.2	91.3	92.1	93.3	95.6	96.2	97.9	98.8	99.1	99.2	99.5	99.8	100.0
0	75.2	83.1	86.5	88.2	91.3	92.1	93.3	95.6	96.2	97.9	98.8	99.1	99.2	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 546

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-02

520

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

300-0400

CEILING FEET	VISIBILITY, STATUTE MILES															
	20	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
100	47.3	47.8	48.2	48.3	49.4	49.4	49.5	49.8	49.8	49.9	49.9	49.9	49.9	49.9	50.4	50.6
150	50.9	51.4	52.7	52.1	53.2	53.2	53.3	53.5	53.5	53.7	53.7	53.7	53.7	53.7	54.1	54.4
200	51.3	51.8	52.4	52.5	53.5	53.5	53.7	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.5	54.7
250	51.7	52.4	53.7	53.1	54.1	54.1	54.3	54.5	54.5	54.6	54.6	54.6	54.6	54.6	55.1	55.3
300	52.7	53.2	53.8	53.9	55.7	55.1	55.2	55.6	55.6	55.7	55.7	55.7	55.7	55.7	56.1	56.4
350	55.3	56.3	56.9	57.1	58.7	58.2	58.3	58.6	58.6	58.7	58.7	58.7	58.7	58.7	59.2	59.5
400	56.6	57.7	58.3	58.4	59.5	59.6	59.7	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.6	60.9
450	57.0	60.0	60.5	60.9	61.9	62.1	62.2	62.5	62.5	62.6	62.6	62.6	62.6	62.6	63.1	63.4
500	59.7	60.8	61.3	61.7	62.8	62.9	63.0	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.9	64.2
550	60.0	61.3	61.9	62.3	63.4	63.5	63.6	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.5	64.8
600	61.2	63.2	63.6	63.9	65.7	65.1	65.2	65.6	65.6	65.7	65.7	65.7	65.7	65.7	66.2	66.4
650	63.1	64.3	65.7	65.4	66.4	66.5	66.7	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.6	67.8
700	63.5	65.7	66.8	67.5	68.9	69.1	69.4	69.9	69.9	70.1	70.1	70.1	70.1	70.1	70.4	70.8
750	64.7	67.0	68.2	68.5	70.7	70.9	71.3	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.5	72.8
800	65.6	68.2	69.4	70.1	71.9	72.2	72.7	73.2	73.2	73.4	73.4	73.4	73.4	73.4	73.8	74.2
850	66.4	69.6	71.2	72.0	73.8	74.1	74.6	75.2	75.2	75.4	75.4	75.4	75.4	75.4	75.9	76.2
900	68.7	72.5	74.5	75.7	77.5	78.2	78.6	79.4	79.4	79.7	79.7	79.7	79.7	79.7	80.3	80.6
950	69.7	73.6	75.7	76.8	79.7	79.4	80.0	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.7	82.0
1000	70.3	74.5	76.7	78.0	80.7	81.2	81.8	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.5	83.9
1050	71.3	76.1	79.1	80.5	83.7	84.2	84.8	85.8	85.8	86.1	86.2	86.2	86.3	86.4	86.9	87.2
1100	72.0	77.2	80.5	82.0	85.2	85.7	86.6	87.8	87.6	88.2	88.3	88.4	88.5	88.7	89.1	89.5
1150	72.3	77.5	81.9	82.4	85.6	86.1	87.0	88.3	88.4	88.8	88.9	89.0	89.1	89.2	89.7	90.1
1200	72.9	78.1	81.6	83.1	86.3	86.6	87.7	89.0	89.1	89.5	89.6	89.7	89.8	90.1	90.5	90.9
1250	73.3	79.7	82.4	83.9	87.4	87.8	88.8	90.1	90.3	90.7	91.0	91.1	91.3	91.6	92.2	92.6
1300	73.5	79.3	82.9	84.4	87.8	88.4	89.4	90.7	90.9	91.5	91.8	92.0	92.2	92.6	93.1	93.5
1350	73.6	79.9	83.6	85.1	88.7	89.2	90.2	91.6	91.8	92.6	92.9	93.0	93.3	93.6	94.2	94.6
1400	73.6	80.4	84.5	86.3	90.0	90.8	91.7	93.3	93.6	94.8	95.2	95.3	95.5	95.9	96.5	97.0
1450	73.8	80.5	84.8	86.5	90.2	91.0	92.2	94.1	94.4	95.9	96.2	96.3	96.7	97.3	97.9	98.6
1500	73.8	80.5	84.8	86.5	90.2	91.0	92.2	94.1	94.4	96.3	96.8	97.0	97.4	98.0	98.6	99.5
1550	73.8	80.5	84.8	86.5	90.2	91.0	92.2	94.1	94.4	96.3	96.8	97.2	97.5	98.1	98.8	100.0
1600	73.8	80.5	84.8	86.5	90.2	91.0	92.2	94.1	94.4	96.3	96.8	97.2	97.5	98.1	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 520

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-82

FEET

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

922-4522

ELEVATION FEET	VISIBILITY STATUTE MILES															
	20	20	20	24	24	24	24	24	24	24	24	24	24	24	24	24
1000	43.3	45.1	46.2	45.4	45.2	45.2	46.5	46.6	46.7	46.7	46.7	46.9	47.2	47.4	47.5	47.6
2000	44.1	47.9	48.1	46.2	47.1	49.1	49.3	49.4	49.5	49.5	49.5	49.8	50.2	50.2	50.5	50.6
3000	45.1	47.9	48.1	48.2	49.1	49.1	49.3	49.4	49.5	49.5	49.5	49.8	50.2	50.2	50.5	50.6
4000	46.2	46.0	49.1	49.3	49.2	49.2	49.4	49.5	49.6	49.6	49.6	49.9	50.1	50.4	50.5	50.6
5000	46.6	46.5	48.6	48.8	49.6	49.6	49.9	50.0	50.1	50.1	50.1	50.4	50.6	50.8	51.1	51.1
6000	47.1	49.1	49.2	49.4	50.2	50.2	50.5	50.6	50.7	50.7	50.7	50.9	51.2	51.4	51.7	51.7
7000	50.9	53.2	53.3	53.5	54.4	54.4	54.5	54.7	54.8	54.8	54.8	55.1	55.3	55.6	55.8	55.8
8000	51.9	54.3	54.4	54.6	55.4	55.4	55.7	55.8	55.9	55.9	55.9	56.2	56.4	56.6	56.9	56.9
9000	53.9	56.4	56.5	56.7	57.6	57.6	57.8	57.9	58.1	58.1	58.1	58.3	58.5	58.7	58.7	58.7
10000	54.6	57.2	57.4	57.7	58.5	58.5	58.7	58.9	59.1	59.1	59.1	59.2	59.5	59.7	59.9	59.9
11000	55.7	58.4	58.5	58.9	59.7	59.7	59.9	60.0	60.2	60.2	60.2	60.4	60.6	60.9	61.1	61.1
12000	57.2	60.0	60.3	60.6	61.5	61.5	61.7	61.8	61.9	61.9	61.9	62.2	62.4	62.6	62.9	62.9
13000	58.2	61.1	61.2	61.8	62.6	62.6	62.9	63.0	63.1	63.1	63.1	63.4	63.6	63.8	64.1	64.1
14000	59.3	62.6	63.1	63.8	64.8	64.9	65.2	65.5	65.6	65.6	65.6	65.8	66.1	66.3	66.5	66.5
15000	60.0	63.5	63.9	64.7	65.7	65.8	66.2	66.4	66.7	67.0	67.1	67.3	67.5	67.7	68.0	68.0
16000	60.9	64.7	65.1	66.2	67.5	67.8	68.2	68.6	69.0	69.3	69.3	69.5	69.7	70.0	70.2	70.2
17000	61.5	65.7	66.5	67.7	69.6	70.0	70.6	70.9	71.4	71.9	71.9	72.1	72.3	72.6	72.9	72.9
18000	63.2	68.1	69.1	70.6	72.7	73.2	73.8	74.3	74.8	75.4	75.4	75.7	75.9	76.1	76.4	76.4
19000	64.4	69.7	70.7	72.2	74.5	74.9	75.5	76.1	76.6	77.2	77.2	77.4	77.7	77.9	78.1	78.1
20000	65.5	71.2	72.1	73.6	76.4	76.8	77.9	78.5	79.1	79.7	79.7	79.9	80.1	80.4	80.6	80.6
21000	67.3	73.5	74.9	77.0	79.7	80.3	81.6	82.3	82.7	83.5	83.5	83.7	83.9	84.2	84.4	84.4
22000	68.1	74.5	75.7	78.1	80.9	81.7	83.0	83.8	84.7	85.3	85.7	86.2	86.4	86.6	87.1	87.1
23000	69.4	76.2	77.9	79.9	82.6	83.5	84.9	85.3	86.3	87.4	87.7	88.2	88.4	88.8	89.1	89.1
24000	69.5	76.8	78.5	80.6	83.3	84.2	85.6	86.6	87.1	88.2	88.5	89.1	89.4	89.7	90.0	90.0
25000	70.0	77.7	79.4	81.6	84.3	85.1	86.6	87.8	88.3	89.4	89.7	90.2	90.5	90.8	91.5	91.5
26000	70.6	78.7	80.6	82.9	85.9	86.8	88.3	89.5	90.0	91.0	91.5	92.0	92.4	92.8	93.4	93.4
27000	70.8	79.2	81.2	83.5	87.0	87.9	89.7	91.1	91.6	92.7	93.1	93.6	94.1	94.4	95.0	95.0
28000	70.8	79.3	81.3	83.6	87.4	88.3	90.2	91.7	92.3	93.9	94.4	94.9	95.5	96.0	96.7	96.7
29000	70.9	79.4	81.6	83.8	87.7	88.7	90.7	92.4	93.1	95.0	95.7	96.3	96.9	97.5	98.2	98.5
30000	70.9	79.4	81.6	83.8	87.7	88.7	90.8	92.6	93.3	95.4	96.5	97.0	97.6	98.2	98.9	99.3
31000	70.9	79.4	81.6	83.8	87.7	88.7	90.8	92.6	93.3	95.4	96.5	97.0	97.6	98.2	98.9	99.3
32000	70.9	79.4	81.6	83.8	87.7	88.7	90.8	92.6	93.3	95.4	96.5	97.0	97.6	98.2	98.9	99.3

TOTAL NUMBER OF OBSERVATIONS 946

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7675 MINOT AFB ND

73-02

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11-1-1960

CEILING FEET	VISIBILITY: STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	43.5	44.7	45.0	46.3	47.2	47.2	47.8	47.7	48.7	48.2	49.5	48.6	49.7	48.3	49.4	48.5
18000	47.3	42.6	51.2	50.5	51.3	51.3	52.7	52.1	52.2	52.5	52.9	52.8	53.1	53.2	53.5	53.2
16000	47.9	49.4	50.5	51.1	51.0	51.9	52.6	52.7	52.9	53.1	53.4	53.4	53.7	53.8	54.4	54.5
14000	43.3	49.9	51.1	51.5	52.4	52.4	53.1	53.2	53.3	53.5	53.9	53.7	54.1	54.3	54.8	55.0
12000	44.6	50.1	51.3	51.8	52.7	52.8	53.5	53.7	53.8	54.0	54.4	54.4	54.6	54.7	55.3	55.4
10000	49.8	51.3	52.5	53.0	53.9	54.0	54.7	54.8	55.7	55.2	55.5	55.6	55.3	55.5	55.5	56.6
8000	51.5	53.2	54.5	55.2	56.3	56.4	57.2	57.3	57.4	57.7	58.0	58.0	58.3	58.4	59.7	59.1
6000	52.7	54.5	55.2	56.5	57.6	57.7	58.5	58.6	58.7	59.1	59.3	59.3	59.6	59.7	60.7	62.4
4000	55.4	57.4	59.2	59.7	61.8	61.8	61.8	61.9	62.1	62.4	62.9	62.8	63.7	63.1	63.7	63.6
2000	58.2	58.0	59.6	60.3	61.3	61.6	62.5	62.8	62.8	63.2	63.5	63.6	63.8	63.9	64.5	64.7
1000	57.1	59.1	60.9	61.5	62.5	62.8	63.7	63.9	64.1	64.4	64.8	64.8	65.7	65.1	65.7	65.8
500	58.3	61.3	62.1	62.9	64.2	64.4	65.4	65.6	65.7	65.1	66.4	66.4	66.7	66.8	67.4	67.5
250	58.4	61.4	62.2	63.1	64.3	64.5	65.5	65.8	65.7	66.3	66.8	66.8	67.7	67.1	67.7	67.8
125	57.2	61.2	63.1	63.2	65.2	65.6	66.9	67.0	67.7	68.1	68.5	68.6	68.8	68.2	69.5	69.5
62.5	58.6	62.1	64.1	64.9	66.7	67.1	68.4	69.1	69.3	69.6	71.2	71.2	71.4	71.7	71.7	71.4
31.2	59.5	62.5	64.8	65.7	66.0	66.4	68.2	70.6	72.9	71.3	71.9	71.9	72.1	72.3	72.9	73.1
15.6	60.0	63.4	65.6	66.5	67.1	69.7	71.5	72.5	72.6	73.4	74.0	74.0	74.3	74.6	75.2	75.3
7.8	61.6	64.1	66.7	67.6	71.8	71.4	73.3	74.2	74.5	75.3	75.9	76.7	76.4	76.6	77.2	77.3
3.9	60.8	64.3	66.9	68.1	71.3	71.9	74.7	75.2	75.7	76.1	76.7	76.3	77.2	77.4	78.7	76.1
1.9	61.2	65.1	68.0	69.3	72.8	73.4	76.2	77.2	77.4	78.7	79.4	79.6	79.9	81.1	82.7	82.2
0.9	64.1	68.0	72.9	72.5	76.6	77.3	80.1	81.6	82.7	83.5	84.4	84.5	84.9	85.1	85.7	85.3
0.4	64.8	68.8	71.7	73.6	73.4	79.2	82.6	84.5	85.3	87.4	88.7	88.4	88.9	89.1	89.6	89.7
0.2	65.4	69.5	72.6	74.6	79.4	80.4	84.0	86.1	87.1	89.4	90.3	90.4	90.9	91.1	91.7	91.8
0.1	65.7	71.1	73.2	75.2	80.1	81.1	84.8	86.9	87.9	90.3	91.3	91.4	91.9	92.1	92.7	92.5
0.05	65.3	70.4	73.8	75.8	81.7	81.8	85.8	88.1	89.1	91.5	92.4	92.6	93.1	93.4	94.1	94.2
0.02	65.6	72.4	73.9	76.0	81.0	82.2	86.2	88.5	89.6	92.2	93.1	93.3	94.7	94.2	94.2	95.1
0.01	65.5	72.7	74.1	76.2	81.3	82.5	86.5	89.3	91.2	92.9	94.1	94.2	94.9	95.3	96.7	96.0
0.005	65.3	71.7	74.7	76.6	81.7	82.9	87.7	89.7	92.9	94.1	95.7	96.7	96.7	97.1	97.8	98.7
0.002	65.3	71.7	74.2	76.6	81.7	82.9	87.7	89.8	91.4	94.7	95.7	97.0	97.9	98.2	99.9	99.6
0.001	65.3	71.7	74.2	76.6	81.7	82.9	87.7	89.8	91.5	94.9	97.7	97.4	98.2	98.6	99.3	100.0
0.0005	65.3	72.7	74.2	76.6	81.7	82.9	87.7	89.8	91.5	94.9	97.7	97.4	98.2	98.6	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 45

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

707575
STATION

MINOT AFB ND

73-80

545

STATION NAME

STATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11-2-1951

ELEVATION FEET	VISIBILITY IN MILES																			
	200	26	34	44	54	64	74	84	94	104	114	124	134	144	154	164	174	184	194	204
0	41.3	44.4	44.4	45.2	45.5	46.0	45.9	47.0	47.4	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
100	45.4	48.2	49.3	49.6	51.2	51.3	51.7	51.8	52.1	53.1	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
200	48.5	49.5	50.4	51.9	52.5	52.6	53.0	53.1	53.4	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
300	46.5	49.6	50.7	51.1	52.6	52.7	53.1	53.2	53.5	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
400	47.3	50.4	51.4	51.6	53.3	53.4	53.8	53.9	54.3	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
500	48.6	51.7	52.7	53.1	54.6	54.7	55.1	55.2	55.5	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
600	50.0	54.1	55.3	56.1	58.7	58.8	58.5	58.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
700	51.2	54.7	55.9	56.7	58.6	58.9	59.3	59.5	59.8	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
800	54.3	59.0	60.9	61.6	64.1	64.3	64.8	65.1	65.5	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
900	55.6	55.7	61.9	63.0	65.5	65.8	66.3	66.6	67.1	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
1000	57.1	61.2	63.4	64.8	67.4	67.7	68.2	68.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
1100	57.3	61.9	64.5	65.7	68.4	68.8	69.3	69.9	70.7	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
1200	57.3	61.9	64.7	65.8	68.6	68.9	69.4	70.7	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
1300	58.2	62.6	65.5	66.7	69.6	70.0	70.8	71.6	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
1400	58.4	63.2	66.1	67.3	70.6	71.1	72.1	73.0	73.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
1500	58.4	63.7	66.5	67.8	71.3	71.7	72.9	74.0	74.5	75.3	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
1600	59.2	64.7	67.8	69.0	73.2	73.6	74.9	76.0	76.5	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
1700	59.9	66.0	69.6	71.6	75.7	76.2	77.5	79.0	79.6	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
1800	60.4	66.5	70.2	72.3	76.4	77.2	78.6	80.4	81.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
1900	61.2	68.8	72.2	74.7	79.1	80.2	81.6	83.8	84.4	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
2000	62.4	69.6	73.9	76.5	81.3	82.6	84.2	86.5	87.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
2100	63.2	70.6	74.5	77.5	82.7	84.0	85.8	88.2	89.0	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
2200	63.5	71.2	75.7	78.5	83.8	85.3	87.4	89.8	90.7	93.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
2300	63.8	71.5	76.1	79.0	84.5	86.0	88.2	90.7	91.5	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
2400	63.8	71.9	76.5	79.3	85.1	86.9	88.9	91.5	92.7	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
2500	63.8	72.1	76.8	79.7	85.5	87.4	89.5	92.2	93.0	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
2600	63.9	72.2	77.3	79.8	85.6	87.5	89.7	92.9	93.7	96.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
2700	63.9	72.2	77.7	79.8	85.7	87.6	89.2	92.2	94.0	94.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
2800	63.9	72.2	77.7	79.8	85.7	87.6	89.2	92.2	94.0	94.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
2900	63.9	72.2	77.7	79.8	85.7	87.6	89.2	92.2	94.0	94.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
3000	63.9	72.2	77.7	79.8	85.7	87.6	89.2	92.2	94.0	94.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS 46

JOINT CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

107575 MINOT AFB ND STATION NAME

73-32 YEAR

546

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11-2-1700

ELEVATION FEET	VISIBILITY STATUTE MILES															
	2.0	2.6	2.9	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4
0-100	42.3	45.2	46.7	47.8	48.8	49.1	49.8	50.2	50.2	50.6	50.7	51.7	50.7	50.7	50.7	50.9
100-200	45.5	48.8	51.5	51.4	52.5	52.7	53.5	54.3	54.2	54.5	54.7	54.7	54.7	54.7	54.7	54.8
200-300	48.5	49.6	51.4	52.2	53.3	53.5	54.4	55.1	55.1	55.4	55.6	55.6	55.6	55.6	55.6	55.7
300-400	46.7	49.9	51.7	52.5	53.5	53.6	54.6	55.3	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.9
400-500	47.5	50.8	52.6	53.4	54.5	54.7	55.6	56.3	56.3	56.6	56.7	56.7	56.7	56.7	56.7	56.9
500-600	43.6	51.6	53.5	54.5	55.6	55.6	56.6	57.3	57.3	57.7	57.8	57.8	57.8	57.8	57.8	57.9
600-700	51.7	54.1	55.9	57.5	58.2	58.4	59.2	59.9	59.9	60.3	60.4	60.4	60.4	60.4	60.4	60.5
700-800	51.4	54.8	56.7	57.8	59.2	59.2	60.2	60.8	60.8	61.1	61.2	61.2	61.2	61.2	61.2	61.3
800-900	54.4	57.9	60.4	61.7	63.0	63.4	64.2	65.0	65.0	65.5	65.6	65.6	65.6	65.6	65.6	65.7
900-1000	55.2	59.2	61.7	63.4	64.4	64.8	65.6	66.4	66.4	66.9	67.0	67.0	67.0	67.0	67.0	67.1
1000-1100	56.9	60.6	63.4	64.7	66.2	66.5	67.4	68.2	68.2	68.7	68.8	68.8	68.8	68.8	68.8	68.9
1100-1200	58.4	62.4	65.4	66.8	68.4	68.8	69.6	70.5	70.6	71.0	71.3	71.3	71.3	71.3	71.3	71.4
1200-1300	59.6	62.6	65.6	67.5	68.7	69.5	69.9	70.6	70.8	71.3	71.5	71.5	71.5	71.5	71.5	71.6
1300-1400	59.1	63.2	66.4	67.6	69.9	71.2	71.7	72.1	72.1	72.6	72.6	72.6	72.6	72.6	72.6	72.9
1400-1500	59.9	64.1	67.7	69.3	71.5	72.1	72.9	74.5	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.7
1500-1600	60.9	65.2	69.4	71.2	74.1	74.7	75.7	76.7	76.8	77.5	78.0	78.0	78.0	78.0	78.0	78.1
1600-1700	61.7	66.4	71.5	73.0	76.4	77.5	77.9	79.5	79.1	79.8	80.4	80.4	80.4	80.4	80.4	80.5
1700-1800	62.4	66.7	72.9	74.6	78.5	79.1	80.3	81.4	81.6	82.7	83.7	83.7	83.7	83.7	83.7	83.6
1800-1900	62.6	66.7	73.8	75.7	79.3	80.1	81.3	82.5	82.6	84.0	84.6	84.6	84.6	84.6	84.6	84.9
1900-2000	64.4	70.8	75.4	78.5	82.4	83.5	84.6	86.1	86.2	87.9	88.5	88.7	88.7	88.7	88.7	88.7
2000-2100	65.5	72.2	78.7	80.5	84.9	86.2	87.7	89.1	89.2	91.4	92.0	92.1	92.1	92.1	92.1	92.2
2100-2200	66.4	73.6	79.6	82.2	86.8	88.2	90.2	91.7	91.8	94.0	94.7	94.8	94.8	94.8	94.8	94.9
2200-2300	66.5	74.1	79.9	82.8	87.2	89.0	91.0	92.6	92.7	94.8	95.7	95.9	95.9	95.9	95.9	96.2
2300-2400	66.5	74.2	80.7	82.7	87.8	89.6	91.5	93.1	93.3	95.4	96.3	96.5	96.5	96.5	96.5	96.8
2400-2500	66.7	74.6	81.4	83.1	88.2	90.0	92.2	93.7	93.9	96.0	96.9	97.0	97.0	97.0	97.0	97.4
2500-2600	67.0	74.9	82.7	83.5	88.5	90.3	92.6	94.1	94.2	96.3	97.6	97.6	97.6	97.6	97.6	98.1
2600-2700	67.3	75.1	83.9	83.6	88.8	90.5	92.9	94.4	94.6	96.7	98.0	98.1	98.1	98.1	98.1	98.6
2700-2800	67.3	75.1	83.9	83.6	88.9	90.7	93.6	95.3	95.4	97.5	98.8	98.9	98.9	98.9	98.9	99.4
2800-2900	67.7	75.1	83.9	83.6	88.9	90.7	93.9	95.6	95.7	97.9	99.2	99.3	99.3	99.3	99.3	99.5
2900-3000	67.7	75.1	83.9	83.6	88.9	90.7	93.9	95.6	95.7	97.9	99.2	99.3	99.3	99.3	99.3	99.5
3000-3100	67.7	75.1	83.9	83.6	88.9	90.7	93.9	95.6	95.7	97.9	99.2	99.3	99.3	99.3	99.3	99.5

TOTAL NUMBER OF OBSERVATIONS 46

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

707675
STATION

MINOT AFB ND

73-87

682

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15-2-2001

ELEVATION FEET	VISIBILITY STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	46.1	46.7	49.5	49.6	51.8	51.2	51.2	51.2	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3
18000	52.2	54.3	55.6	55.7	56.9	57.2	57.2	57.3	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5
16000	52.5	54.5	56.0	56.1	57.3	57.7	57.7	57.8	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.0
14000	53.1	55.1	56.5	56.7	57.9	58.2	58.3	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5
12000	53.2	55.2	56.7	56.9	58.0	58.4	58.4	58.5	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7
10000	54.7	56.9	58.5	58.6	59.8	60.2	60.2	60.3	60.3	60.4	60.5	60.5	60.5	60.5	60.5	60.5
8000	56.1	58.6	60.3	60.4	61.6	61.9	61.9	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3
6000	56.6	59.1	61.0	61.1	62.4	62.6	62.9	62.9	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1
4000	57.9	60.4	62.3	62.5	64.1	64.4	64.4	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6
2000	59.3	62.1	63.9	64.4	66.1	66.4	66.4	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6
0	59.7	62.4	64.3	64.8	66.4	66.8	66.8	66.9	66.9	67.1	67.3	67.3	67.3	67.3	67.3	67.3
18000	60.7	64.1	66.0	66.4	68.1	68.4	68.7	68.8	69.1	69.4	69.5	69.5	69.5	69.5	69.5	69.5
16000	61.3	64.8	66.7	67.1	68.8	69.1	69.4	69.5	69.7	70.1	70.2	70.2	70.2	70.2	70.2	70.2
14000	62.1	65.6	67.5	68.0	69.9	70.2	70.4	70.6	70.9	71.2	71.3	71.3	71.3	71.3	71.3	71.3
12000	63.2	67.3	69.4	69.9	71.9	72.2	72.6	72.7	73.0	73.3	73.4	73.4	73.4	73.4	73.4	73.4
10000	64.1	68.7	71.0	71.6	74.0	74.0	74.8	75.2	75.5	75.9	76.2	76.2	76.2	76.2	76.2	76.2
8000	65.4	71.2	73.8	74.3	77.2	77.3	78.0	78.4	78.8	79.2	79.7	79.7	79.7	79.7	79.7	79.7
6000	66.7	73.0	76.0	76.8	79.9	80.3	81.0	81.6	82.0	82.5	83.0	83.0	83.0	83.0	83.0	83.0
4000	67.7	73.6	76.8	77.7	80.9	81.2	81.9	82.5	83.1	83.7	84.2	84.2	84.2	84.2	84.2	84.2
2000	68.1	75.1	79.0	79.9	83.2	83.7	84.4	85.2	85.9	86.9	87.5	87.5	87.5	87.5	87.5	87.5
0	69.4	76.8	81.1	82.5	86.2	86.8	87.6	88.4	89.2	90.3	90.9	90.9	90.9	90.9	90.9	90.9
18000	70.0	77.9	82.0	83.7	87.6	88.2	89.4	90.3	91.1	92.5	93.3	93.3	93.3	93.3	93.3	93.3
16000	70.6	78.5	83.0	84.6	88.5	89.1	90.4	91.4	92.3	93.9	94.6	94.6	94.6	94.6	94.6	94.6
14000	70.9	79.0	83.5	85.1	89.0	89.6	91.0	92.0	93.0	94.3	95.5	95.5	95.5	95.5	95.5	95.5
12000	71.2	79.3	83.9	85.6	89.5	90.1	91.7	92.7	93.7	95.5	96.3	96.3	96.3	96.3	96.3	96.3
10000	71.5	79.8	84.4	86.3	90.2	90.8	92.4	93.4	94.4	96.2	97.2	97.2	97.2	97.2	97.2	97.2
8000	71.6	79.9	84.5	86.5	90.4	91.0	92.7	93.6	94.7	96.5	97.4	97.4	97.4	97.4	97.5	97.5
6000	71.6	80.1	84.8	86.8	90.8	91.4	93.5	94.4	95.5	97.4	98.5	98.5	98.5	98.5	98.5	98.5
4000	71.9	80.4	85.0	87.0	91.1	91.7	94.1	95.0	96.2	98.1	99.2	99.2	99.2	99.2	99.2	99.2
2000	71.9	80.4	85.0	87.0	91.1	91.7	94.1	95.0	96.2	98.1	99.2	99.2	99.2	99.2	99.2	99.2
0	71.9	80.4	85.0	87.0	91.1	91.7	94.1	95.0	96.2	98.1	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 546

CEILING VERSUS VISIBILITY

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11-2-2020

TOTAL NUMBER OF OBSERVATIONS 343

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFCTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND 73-82 FEB 1982

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES																		
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9
1000	40.2	47.4	48.2	48.5	47.5	49.6	49.8	50.0	50.1	50.4	50.4	51.4	51.5	50.6	51.8	51.0			
900	49.5	51.3	52.1	52.5	53.5	53.6	53.9	54.1	54.2	54.4	54.5	54.6	54.7	54.7	54.9	55.0			
800	49.9	51.7	52.6	52.9	53.9	54.0	54.3	54.6	54.6	54.9	54.9	55.0	55.1	55.2	55.3	55.4			
700	50.1	52.0	52.3	53.1	54.1	54.2	54.6	54.8	54.9	55.1	55.2	55.2	55.3	55.4	55.6	55.6			
600	50.5	52.4	53.2	53.5	54.5	54.7	55.0	55.2	55.3	55.5	55.6	55.6	55.8	55.8	55.8	55.8			
500	51.5	53.5	54.3	54.6	55.6	55.8	56.1	56.4	56.4	56.7	56.8	56.8	56.9	57.1	57.1	57.2			
400	53.9	56.1	57.0	57.4	58.5	58.6	59.0	59.2	59.3	59.5	59.6	59.6	59.8	59.8	59.8	59.8			
300	54.8	57.0	58.0	58.4	59.5	59.7	60.0	60.3	60.4	60.6	60.7	60.7	60.8	60.9	61.1	61.1			
200	57.1	59.5	60.7	61.2	62.4	62.6	63.0	63.3	63.4	63.7	63.7	63.8	63.9	64.0	64.1	64.2			
100	57.3	60.5	61.7	62.3	63.6	63.6	64.2	64.5	64.6	64.9	65.0	65.0	65.1	65.2	65.3	65.4			
000	58.9	61.4	62.7	63.3	64.6	64.8	65.2	65.5	65.6	65.9	66.0	66.0	66.1	66.2	66.4	66.4			
1000	60.1	62.9	64.3	65.0	66.4	66.6	67.0	67.4	67.5	67.8	68.0	68.0	68.1	68.2	68.3	68.4			
900	60.7	63.5	64.9	65.7	67.1	67.3	67.7	68.1	68.3	68.6	68.7	68.7	68.8	68.9	69.1	69.1			
800	61.5	64.6	66.2	67.0	68.7	68.9	69.5	70.1	70.2	70.5	70.6	70.7	70.8	70.9	71.0	71.1			
700	62.2	65.7	67.4	68.3	70.2	70.4	71.1	71.7	71.8	72.2	72.3	72.4	72.5	72.6	72.7	72.8			
600	63.7	66.9	68.9	69.9	72.0	72.4	73.2	73.8	74.0	74.5	74.7	74.7	74.8	74.9	75.1	75.2			
500	63.7	68.5	70.7	71.9	74.3	74.7	75.6	76.3	76.5	77.1	77.3	77.3	77.5	77.6	77.7	77.8			
400	65.1	70.2	72.7	74.0	76.8	77.2	78.2	79.1	79.3	80.0	80.2	80.3	80.5	80.6	80.7	80.8			
300	65.6	70.9	73.6	74.9	77.7	78.3	79.3	80.2	80.5	81.2	81.4	81.5	81.6	81.8	81.9	82.0			
200	66.8	72.6	75.6	77.0	80.2	80.8	82.0	83.0	83.3	84.2	84.5	84.6	84.7	84.8	85.0	85.1			
100	68.3	74.5	77.8	79.5	83.0	83.7	85.0	86.1	86.5	87.5	87.9	87.9	88.1	88.2	88.4	88.4			
000	69.1	75.8	79.2	81.0	84.8	85.6	87.1	88.4	88.9	90.2	90.8	90.9	91.1	91.2	91.4	91.5			
1000	69.6	76.3	79.9	81.8	85.6	86.5	88.2	89.6	90.2	91.5	92.1	92.2	92.4	92.6	92.7	92.8			
900	69.8	76.8	80.3	82.3	86.2	87.1	88.8	90.2	90.8	92.3	92.9	93.0	93.2	93.4	93.5	93.6			
800	70.1	77.2	80.9	82.8	86.8	87.7	89.5	91.1	91.7	93.1	93.8	93.9	94.2	94.4	94.6	94.7			
700	70.4	77.7	81.4	83.5	87.6	88.6	90.4	92.0	92.7	94.2	95.0	95.1	95.4	95.6	95.8	95.9			
600	70.5	78.0	81.9	83.9	88.1	89.1	91.0	92.7	93.4	94.9	95.8	95.9	96.2	96.4	96.7	96.9			
500	70.5	78.1	82.0	84.2	88.5	89.6	91.7	93.6	94.3	96.1	97.0	97.2	97.5	97.8	98.0	98.3			
400	70.5	78.2	82.1	84.3	88.7	89.8	92.1	94.1	94.9	96.9	97.9	98.1	98.5	98.8	99.1	99.5			
300	70.5	78.2	82.1	84.3	88.7	89.8	92.2	94.2	95.0	97.1	98.2	98.4	98.8	99.1	99.4	99.9			
200	70.5	78.2	82.1	84.3	88.7	89.8	92.2	94.2	95.0	97.1	98.2	98.5	98.8	99.1	99.5	100.0			
100	70.5	78.2	82.1	84.3	88.7	89.8	92.2	94.2	95.0	97.1	98.2	98.5	98.8	99.1	99.5	100.0			

TOTAL NUMBER OF OBSERVATIONS 5765

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND 73-82 YEAR MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

300-0500

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
≥20000	54.2	55.4	56.9	57.1	57.3	57.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥18000	57.2	59.4	59.8	60.2	60.4	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥16000	57.3	59.4	59.8	60.2	60.4	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥14000	57.1	59.5	59.9	60.3	60.5	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥12000	57.3	59.7	60.2	60.5	60.7	60.7	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥10000	58.4	60.8	61.2	61.6	61.8	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥8000	59.7	62.2	62.6	63.0	63.2	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥6000	60.0	62.5	63.0	63.3	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥4000	62.1	64.9	65.4	65.7	65.9	65.9	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥2000	63.4	66.2	66.7	67.0	67.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥1000	64.2	67.1	67.5	67.9	68.1	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥500	65.2	69.4	69.8	70.2	70.5	70.5	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥250	67.5	71.0	71.4	71.9	72.1	72.2	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥125	69.4	73.3	73.7	74.3	74.6	74.7	74.7	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥62.5	71.1	75.0	75.5	76.0	76.3	76.4	76.4	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥31.25	72.5	76.9	77.3	77.9	78.2	78.3	78.3	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥15.625	74.1	78.6	79.0	79.6	80.0	80.1	80.1	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥7.8125	74.5	79.0	79.6	80.1	80.6	80.7	80.7	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥3.90625	75.5	80.1	80.7	81.2	81.7	81.8	82.0	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥1.953125	76.4	81.1	81.8	82.3	82.7	83.0	83.5	83.7	83.7	83.9	84.3	84.3	84.3	84.3	84.3	84.3
≥0.9765625	78.3	83.2	84.1	84.6	85.7	86.1	86.9	87.1	87.1	87.4	87.7	87.7	87.7	87.7	87.7	87.7
≥0.48828125	79.8	84.8	86.1	86.6	87.7	88.2	89.3	89.7	89.7	90.0	90.4	90.4	90.4	90.4	90.4	90.4
≥0.244140625	79.9	85.2	86.5	87.2	88.2	88.6	89.7	90.1	90.1	90.6	91.0	91.0	91.0	91.0	91.0	91.0
≥0.1220703125	80.1	85.8	87.3	87.9	88.9	89.5	90.6	91.0	91.1	91.5	92.0	92.1	92.1	92.1	92.1	92.1
≥0.06103515625	80.2	85.9	87.5	88.2	89.4	89.9	91.0	91.6	91.7	92.3	92.7	92.8	92.8	92.8	92.8	92.8
≥0.030517578125	80.5	86.2	88.1	88.7	89.9	90.4	91.5	92.2	92.3	92.9	93.4	93.6	93.6	93.6	93.6	93.6
≥0.0152587890625	80.6	86.3	88.3	88.9	90.1	90.7	91.9	92.5	92.6	93.3	93.7	93.9	93.9	93.9	93.9	93.9
≥0.00762939453125	80.9	86.8	88.7	89.5	90.8	91.3	92.5	93.4	93.6	94.4	94.8	95.0	95.0	95.0	95.0	95.0
≥0.003814697265625	81.0	86.9	88.8	89.6	91.1	91.6	93.1	94.0	94.6	95.3	95.8	96.0	96.0	96.0	96.0	96.0
≥0.0019073486328125	81.0	87.1	89.0	89.8	91.4	92.0	93.5	94.9	95.7	96.5	97.0	97.2	97.2	97.2	97.2	97.2
≥0.00095367431640625	81.0	87.1	89.0	89.8	91.5	92.1	93.7	95.2	96.0	96.9	97.6	97.8	97.8	97.8	97.8	97.8
≥0.000476837158203125	81.0	87.1	89.0	89.8	91.5	92.1	93.7	95.2	96.0	96.9	97.6	97.8	97.8	97.8	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB NO

73-82

462

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

437-2330

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING	47.1	51.9	52.3	52.7	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
1 20000	51.6	54.4	54.8	55.3	55.5	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
2 18000	51.8	54.7	55.2	55.6	55.8	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
3 17000	51.3	54.7	55.2	55.6	55.8	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
4 16000	52.1	55.3	55.5	55.9	56.1	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
5 15000	53.1	56.0	56.5	57.0	57.4	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
6 14000	54.8	57.9	58.3	59.0	59.5	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
7 13000	55.9	59.0	59.4	60.0	60.6	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
8 12000	56.0	61.2	61.9	62.6	63.3	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
9 11000	60.2	63.5	64.2	64.9	65.6	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
10 10000	61.0	64.4	65.0	65.8	66.4	66.7	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
11 9000	62.5	66.1	66.9	67.8	68.4	68.6	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
12 8000	63.6	67.2	68.0	68.8	69.6	69.8	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
13 7000	65.3	69.1	69.8	70.8	71.7	72.0	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
14 6000	66.1	70.2	71.1	72.2	73.2	73.6	73.8	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
15 5000	67.4	72.4	73.5	74.6	75.7	76.1	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
16 4000	68.3	73.1	74.2	75.2	76.3	76.8	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
17 3000	69.2	74.4	75.7	76.8	78.0	78.5	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
18 2000	70.4	75.7	77.1	78.2	79.6	80.1	80.5	80.6	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8
19 1000	70.9	76.4	77.9	78.9	80.6	81.1	81.7	81.9	82.0	82.1	82.2	82.2	82.2	82.2	82.2	82.2
20 500	72.3	78.7	80.5	81.8	83.5	84.0	84.8	85.1	85.3	85.7	85.8	85.8	85.8	85.8	85.9	85.9
21 400	72.9	79.5	81.3	82.6	84.6	85.1	86.3	86.8	87.1	87.5	87.8	87.8	87.8	87.8	88.1	88.1
22 300	73.3	80.2	82.1	83.4	85.6	86.2	87.5	88.1	88.4	89.0	89.5	89.5	89.5	89.6	89.9	89.9
23 200	73.4	80.7	82.5	83.8	86.0	86.6	88.1	88.6	88.9	89.8	90.2	90.2	90.2	90.4	90.8	91.0
24 100	73.8	81.2	83.1	84.4	86.5	87.2	88.6	89.1	89.5	90.3	90.8	90.9	91.4	91.4	91.7	92.1
25 50	74.2	82.0	84.0	85.5	87.6	88.3	89.8	90.3	90.7	91.5	92.1	92.4	93.1	93.1	93.4	93.7
26 40	74.5	82.4	84.7	86.3	88.5	89.1	90.7	91.2	91.5	92.4	92.9	93.3	94.0	94.0	94.4	94.7
27 30	74.7	83.1	85.5	87.1	89.5	90.1	91.7	92.6	93.2	94.0	94.6	94.9	95.8	95.8	96.1	96.4
28 20	74.8	83.3	85.7	87.4	90.1	90.8	92.6	93.9	94.9	95.9	96.6	97.0	97.8	97.8	98.2	98.6
29 10	74.8	83.3	85.7	87.4	90.1	90.8	92.6	94.1	95.2	96.5	97.4	97.7	98.7	98.8	99.2	100.0
30 0	74.8	83.3	85.7	87.4	90.1	90.8	92.6	94.1	95.2	96.5	97.4	97.7	98.7	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 421

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675

MINOT AFB ND

73-82

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

927-110

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	47.6	49.6	51.1	52.6	51.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
20000	52.4	52.7	53.2	53.7	54.5	54.9	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
18000	53.9	53.4	54.0	54.5	55.3	55.7	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
16000	51.7	53.5	54.1	54.6	55.4	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
14000	51.4	54.0	54.5	55.0	55.8	56.2	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
12000	52.2	55.2	55.7	56.2	57.2	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
10000	55.3	59.3	59.7	60.3	61.2	61.7	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
9000	56.2	59.5	60.3	60.8	61.8	62.2	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
8000	57.5	61.0	62.0	62.5	63.5	64.0	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
7000	59.9	63.6	64.7	65.5	66.4	66.9	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
6000	57.5	64.4	65.5	66.2	67.2	67.6	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
5000	61.0	65.0	66.1	66.9	68.2	68.4	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
4500	61.1	65.4	66.4	67.2	68.3	68.7	69.1	69.3	69.3	69.3	69.5	69.5	69.5	69.5	69.5	69.5
4000	62.0	67.0	68.2	69.1	70.4	70.8	71.2	71.6	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9
3500	63.1	68.2	69.5	70.4	71.7	72.1	72.5	72.9	73.0	73.0	73.2	73.2	73.2	73.2	73.2	73.2
3000	64.1	69.4	70.7	71.7	73.3	73.7	74.2	74.7	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.1
2500	65.7	71.1	72.5	73.5	75.2	75.7	76.1	76.6	76.9	77.0	77.2	77.2	77.2	77.2	77.2	77.2
2000	67.4	73.0	74.5	75.5	77.5	78.0	78.5	79.6	79.7	79.9	80.1	80.1	80.1	80.1	80.1	80.1
1800	67.5	73.3	74.9	75.8	78.0	78.5	79.0	80.1	80.2	80.5	80.7	80.7	80.7	80.7	80.7	80.7
1600	68.4	74.3	75.8	76.8	79.4	79.9	80.9	82.2	82.5	82.7	83.3	83.3	83.3	83.4	83.4	83.5
1400	71.2	77.7	79.4	80.3	83.1	83.6	84.7	86.0	86.3	86.6	87.2	87.3	87.4	87.5	87.5	87.6
1200	72.1	78.7	80.6	81.5	84.3	84.8	86.0	87.4	87.8	88.2	88.7	88.8	88.9	89.0	89.0	89.5
1000	72.9	80.0	82.0	83.0	85.7	86.2	87.4	89.0	89.6	89.9	90.7	90.8	90.9	91.0	91.0	91.5
900	73.1	80.5	82.4	83.6	86.3	86.9	88.1	89.7	90.3	90.8	91.6	91.7	91.9	92.0	92.0	92.5
800	73.4	80.9	83.0	84.1	86.9	87.4	88.6	90.2	90.9	91.4	92.6	92.7	92.9	93.1	93.1	93.6
700	73.8	81.3	83.6	84.8	87.6	88.2	89.4	91.0	91.6	92.2	93.4	93.4	93.5	93.7	93.8	94.4
600	73.3	81.7	84.3	85.6	88.7	89.3	90.6	92.2	92.8	93.6	94.8	94.9	95.1	95.2	95.2	95.8
500	73.3	81.6	84.4	85.9	89.0	89.6	91.0	92.7	93.4	94.5	95.7	95.8	96.0	96.1	96.1	96.7
400	73.8	81.8	84.4	85.9	89.1	89.7	91.2	92.9	93.7	95.3	97.0	97.1	97.3	97.4	97.4	98.0
300	73.3	81.8	84.4	85.9	89.1	89.7	91.2	92.9	93.7	95.8	97.9	98.0	98.3	98.6	98.6	99.2
200	73.8	81.8	84.4	85.9	89.1	89.7	91.2	92.9	93.7	95.8	97.9	98.0	98.3	98.6	98.6	99.2
100	73.9	81.9	84.5	86.0	89.3	89.8	91.3	93.1	93.8	95.9	98.0	98.2	98.5	98.9	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-02

160

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11-2-1955

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.02	≥0.01
NO CEILING	52.1	53.9	54.6	54.7	54.7	54.7	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥20000	55.5	56.7	59.5	59.6	59.6	59.6	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥8000	56.8	59.1	59.5	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥6000	56.2	59.2	59.9	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥4000	57.2	59.5	60.3	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥3000	59.2	61.8	62.5	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥2000	61.6	64.4	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥1800	62.1	65.7	65.9	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥1600	64.1	67.3	67.9	68.0	68.0	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥1400	65.5	68.4	69.4	69.6	69.6	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥1200	66.6	69.7	70.9	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥1000	66.6	69.7	70.9	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥900	67.4	71.2	72.6	72.9	73.2	73.3	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥800	68.4	72.4	73.8	74.0	74.5	74.6	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥700	69.7	74.0	75.5	75.6	76.4	76.8	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥600	71.5	75.9	77.4	77.7	78.5	78.8	79.0	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥500	73.4	77.9	79.5	79.8	80.6	80.9	81.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥400	74.2	78.6	80.3	80.7	81.4	81.9	82.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥300	75.8	80.9	82.6	83.1	83.9	84.5	84.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥200	77.7	83.6	85.5	86.0	87.2	87.8	88.3	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥100	78.6	85.2	87.3	87.8	89.0	89.7	90.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥90	79.0	86.0	88.2	88.7	89.9	90.6	91.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥80	79.2	86.2	88.4	88.9	90.1	90.9	91.3	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥70	79.2	86.4	88.6	89.1	90.4	91.2	92.1	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥60	79.4	86.6	88.9	89.5	90.8	91.5	92.5	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥50	79.4	86.9	89.3	90.0	91.9	92.6	93.6	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥40	79.4	87.0	89.4	90.2	92.4	93.4	94.4	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥30	79.4	87.0	89.4	90.2	92.4	93.5	94.5	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥20	79.4	87.0	89.4	90.2	92.4	93.5	94.5	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥10	79.4	87.0	89.4	90.2	92.4	93.5	94.5	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3

TOTAL NUMBER OF OBSERVATIONS 921

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575
STATION

MINOT AFS MD

STATION NAME

73-82

YEAR

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15-0-1777
MOB

ELEVATION FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	52.6	54.1	54.4	54.5	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
18000	56.3	58.5	58.8	59.0	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
16000	57.3	59.5	59.8	59.9	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
14000	57.8	59.5	59.8	59.9	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
12000	58.4	60.3	60.6	60.7	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
10000	59.5	61.3	61.8	61.9	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
8000	62.1	64.3	64.7	64.8	65.0	65.0	65.1	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3
6000	63.1	65.4	65.8	65.9	66.1	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3
4000	65.6	68.2	68.6	68.7	68.9	68.9	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2
2000	66.8	69.6	70.0	70.1	70.4	70.4	70.5	70.5	70.6	70.7	70.9	70.9	70.9	71.0	71.0	71.0
1000	67.0	69.6	70.2	70.4	70.6	70.6	70.7	70.7	70.8	70.9	71.1	71.1	71.1	71.2	71.2	71.2
500	68.6	71.4	72.0	72.1	72.5	72.5	72.6	72.6	72.7	72.9	73.1	73.1	73.1	73.2	73.2	73.2
450	68.9	71.8	72.3	72.4	72.9	72.9	73.0	73.0	73.1	73.2	73.4	73.4	73.4	73.5	73.5	73.5
400	70.0	73.1	73.6	73.7	74.2	74.2	74.4	74.4	74.5	74.6	75.0	75.0	75.0	75.1	75.1	75.2
350	71.3	74.4	75.0	75.1	75.6	75.6	75.8	75.8	75.9	76.0	76.4	76.4	76.4	76.5	76.5	76.7
300	73.2	76.2	77.0	77.1	77.5	77.5	77.7	77.7	77.9	78.0	78.4	78.4	78.4	78.5	78.5	78.6
250	75.8	79.0	79.8	79.9	80.5	80.5	80.7	80.7	80.8	80.9	81.3	81.3	81.3	81.4	81.4	81.5
200	77.9	81.3	82.3	82.4	83.2	83.2	83.4	83.5	83.6	83.9	84.4	84.4	84.4	84.5	84.5	84.6
150	78.5	82.4	83.5	83.6	84.4	84.4	84.6	84.8	84.9	85.5	85.9	85.9	85.9	86.0	86.0	86.1
100	79.7	84.0	85.2	85.3	86.2	86.2	86.4	86.6	86.8	87.4	87.8	87.8	87.8	87.9	87.9	88.1
50	81.5	86.0	87.2	87.3	88.2	88.2	88.4	88.9	89.1	89.8	90.2	90.2	90.2	90.3	90.3	90.4
40	82.1	86.9	88.2	88.3	89.3	89.3	89.5	90.0	90.2	91.0	91.6	91.6	91.6	91.9	92.1	92.2
30	82.3	87.9	89.5	89.7	90.9	90.9	91.2	91.7	92.0	92.7	93.6	93.7	93.9	94.1	94.1	94.4
20	82.5	88.4	90.0	90.2	91.4	91.4	91.7	92.3	92.5	93.3	94.1	94.2	94.5	94.7	94.7	95.1
10	82.8	88.7	90.3	90.6	92.0	92.1	92.5	93.1	93.3	94.0	94.9	95.0	95.2	95.4	95.4	96.1
5	83.1	89.0	90.8	91.1	92.6	92.8	93.4	94.1	94.6	95.3	96.2	96.3	96.5	96.7	96.7	97.7
4	83.2	89.1	90.9	91.2	92.9	93.2	93.7	94.6	95.1	96.0	96.9	97.0	97.3	97.6	97.6	98.7
3	83.3	89.3	91.1	91.4	93.2	93.4	94.0	95.1	95.7	96.6	97.6	97.7	98.0	98.4	98.4	99.7
2	83.4	89.4	91.2	91.5	93.4	93.6	94.2	95.3	95.9	96.9	97.8	97.9	98.3	98.6	98.6	100.0
1	83.4	89.4	91.2	91.5	93.4	93.6	94.2	95.3	95.9	96.9	97.8	97.9	98.3	98.6	98.6	100.0
0	83.4	89.4	91.2	91.5	93.4	93.6	94.2	95.3	95.9	96.9	97.8	97.9	98.3	98.6	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1777

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-67

STATION NAME

YEAR

44

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-0-2400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
2500	52.7	53.5	53.6	53.0	53.7	53.9	53.9	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1
2000	52.7	53.3	53.4	52.4	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
1800	57.5	59.3	59.4	59.4	59.6	59.7	59.7	59.7	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9
1600	57.8	59.6	59.7	59.7	59.9	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3
1400	58.3	59.9	60.0	60.0	60.3	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5
1200	62.6	61.7	61.8	61.8	62.2	62.1	62.1	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3
1000	62.3	64.6	64.7	64.7	65.7	65.1	65.1	65.1	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4
800	63.3	65.6	65.7	65.7	66.2	66.1	66.1	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3
600	65.3	67.9	68.1	68.1	68.5	68.6	68.6	68.6	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8
400	66.3	69.3	69.5	69.5	70.1	70.2	70.2	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4
200	67.1	70.1	70.4	70.4	71.0	71.1	71.1	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4
100	68.3	71.7	71.9	71.9	72.6	72.7	72.7	72.9	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1
50	69.1	72.6	73.0	73.0	73.7	73.8	73.8	73.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2
25	69.9	73.6	74.0	74.0	74.9	75.0	75.0	75.5	75.5	75.7	75.8	75.8	75.8	75.8	75.8	75.8
12.5	70.6	74.3	74.9	75.0	75.8	75.9	76.2	76.4	76.4	76.7	76.8	76.8	76.8	76.8	76.8	76.8
6.25	73.0	76.8	77.7	77.9	78.6	78.7	79.2	79.3	79.7	79.5	79.7	79.7	79.7	79.7	79.7	79.7
3.125	75.2	79.4	80.5	80.6	81.4	81.5	82.0	82.2	82.7	82.5	82.7	82.7	82.7	82.8	82.8	82.8
1.5625	77.1	81.5	82.6	82.7	83.8	83.9	84.5	84.8	84.8	85.2	85.5	85.5	85.5	85.6	85.6	85.6
0.78125	77.6	82.2	83.3	83.4	84.5	84.8	85.5	85.7	85.7	86.1	86.3	86.3	86.3	86.4	86.4	86.4
0.390625	78.6	83.3	84.4	84.7	85.8	86.1	86.8	87.3	87.4	87.8	88.2	88.2	88.2	88.3	88.3	88.3
0.1953125	79.7	84.7	86.0	86.4	87.8	88.2	88.8	89.4	89.5	89.9	90.3	90.3	90.3	90.4	90.4	90.6
0.09765625	80.3	85.5	86.9	87.4	88.9	89.3	90.0	90.7	90.9	91.4	92.2	92.2	92.2	92.3	92.3	92.4
0.048828125	80.6	85.8	87.4	87.9	89.6	89.9	90.7	91.3	91.4	92.1	93.3	93.3	93.3	93.4	93.4	93.5
0.0244140625	80.7	86.3	87.9	88.5	90.1	90.4	91.2	92.0	92.1	92.7	94.0	94.0	94.0	94.1	94.1	94.4
0.01220703125	81.0	86.9	88.6	89.1	90.9	91.3	92.3	93.3	93.5	94.4	95.7	95.7	95.7	95.8	95.8	96.0
0.006103515625	81.0	87.0	88.9	89.5	91.3	91.7	92.8	93.9	94.1	95.0	96.3	96.3	96.3	96.5	96.7	97.0
0.0030517578125	81.3	87.4	89.6	90.1	92.2	92.6	93.7	95.0	95.3	96.5	97.9	97.9	98.0	98.3	98.5	98.7
0.00152587890625	81.3	87.6	89.8	90.3	92.5	92.9	94.0	95.3	95.7	97.0	98.4	98.4	98.5	98.7	98.9	99.3
0.000762939453125	81.3	87.6	89.8	90.3	92.5	92.9	94.0	95.3	95.7	97.5	98.9	98.9	99.0	99.3	99.5	100.0
0.0003814697265625	81.3	87.6	89.9	90.3	92.5	92.9	94.0	95.3	95.7	97.5	98.9	98.9	99.0	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 521

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575
STATION

MINOT AFB ND

73-67

MAC

STATION NAME

YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-1-1971

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	52.2	52.2	52.2	53.2	53.8	54.1	54.1	54.2	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.5
900	54.7	56.6	57.2	57.7	58.2	58.4	58.7	58.8	58.8	59.0	59.0	59.2	59.2	59.2	59.2	59.1
800	55.4	57.3	58.0	58.4	59.0	59.2	59.4	59.5	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.6
700	55.7	57.7	58.3	58.6	59.3	59.5	59.8	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.3
600	56.5	58.5	59.2	59.6	60.2	60.4	60.7	60.8	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.2
500	57.3	59.4	60.1	60.5	61.0	61.3	61.6	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	62.0
400	57.7	60.1	60.7	61.1	61.6	61.9	62.2	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.6
300	58.1	60.5	61.1	61.5	62.0	62.3	62.6	62.7	62.7	62.9	62.9	62.9	62.9	62.9	62.9	63.0
200	58.4	60.8	61.4	61.8	62.3	62.6	62.9	63.0	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.3
100	58.7	61.1	61.7	62.1	62.6	62.9	63.2	63.3	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.6
0	59.1	61.5	62.1	62.5	63.0	63.3	63.6	63.7	63.7	63.9	63.9	63.9	63.9	63.9	63.9	64.0
1000	63.1	65.6	66.4	66.8	67.4	67.6	67.9	68.0	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.3
900	64.4	67.0	67.7	68.3	68.9	69.1	69.4	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.8
800	65.2	67.9	68.6	69.3	69.9	70.1	70.4	70.5	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.8
700	66.3	69.3	70.0	70.7	71.3	71.5	71.8	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.2
600	67.7	71.3	72.0	72.7	73.2	73.4	73.8	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.2
500	69.9	72.8	74.2	74.9	75.4	75.6	76.0	76.1	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.4
400	70.2	74.2	75.6	76.3	77.0	77.3	77.6	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.1
300	71.9	76.2	77.7	78.6	80.1	80.3	80.6	80.8	80.8	81.2	81.2	81.2	81.2	81.2	81.2	81.3
200	72.9	77.4	78.9	79.6	81.3	81.5	81.8	82.0	82.0	82.4	82.4	82.4	82.4	82.4	82.4	82.7
100	73.9	78.6	80.3	81.2	82.8	83.0	83.5	83.8	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.5
0	74.0	78.8	80.6	81.5	83.1	83.4	83.8	84.2	84.3	84.5	84.5	84.5	84.5	84.5	84.5	85.0
1000	75.3	80.1	81.9	83.0	84.7	84.9	85.3	85.9	86.0	86.4	86.4	86.4	86.4	86.4	86.4	86.8
900	77.0	82.2	84.2	85.4	87.5	87.6	88.4	88.9	89.0	89.6	89.6	89.6	89.6	89.6	89.6	90.0
800	77.7	82.9	85.1	86.3	88.5	88.6	89.4	89.9	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.5
700	78.1	83.4	85.9	87.3	89.7	90.1	90.9	91.5	91.6	92.4	92.4	92.4	92.4	92.4	92.4	93.0
600	78.5	83.7	86.2	87.7	90.2	90.6	91.4	92.1	92.2	93.0	93.0	93.0	93.0	93.0	93.0	93.6
500	78.3	84.1	86.8	88.4	91.2	91.7	92.6	93.3	93.4	94.3	94.3	94.3	94.3	94.3	94.3	95.0
400	78.8	84.1	86.9	88.5	91.3	91.9	93.0	93.7	93.8	94.8	94.8	94.8	94.8	94.8	94.8	95.6
300	78.8	84.3	87.4	89.0	92.4	93.1	94.2	95.0	95.1	96.1	96.1	96.1	96.1	96.1	96.1	97.0
200	78.8	84.7	87.9	89.7	93.0	93.3	94.9	95.6	95.8	96.7	96.7	96.7	96.7	96.7	96.7	97.7
100	78.8	84.8	88.0	89.8	93.3	94.0	95.4	96.2	96.5	97.5	97.5	97.5	97.5	97.5	97.5	98.5
0	78.8	84.8	88.0	89.8	93.3	94.0	95.5	96.4	96.7	98.0	98.0	98.0	98.0	98.0	98.0	99.3
1000	78.9	84.8	88.7	89.8	93.4	94.1	95.6	96.5	96.8	98.2	98.2	98.2	98.2	98.2	98.2	99.8
900	78.3	84.8	88.7	89.8	93.4	94.1	95.6	96.5	96.8	98.2	98.2	98.2	98.2	98.2	98.2	99.8

TOTAL NUMBER OF OBSERVATIONS 119

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/440

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-57

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATISTICS															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
1000	51.3	53.4	51.5	54.2	54.4	54.5	54.6	54.7	54.7	54.3	54.3	54.3	54.3	54.3	54.3	54.3
900	55.1	57.2	57.7	58.1	58.3	58.4	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7
800	55.6	57.3	59.3	58.6	58.9	59.1	59.1	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
700	55.7	57.9	59.4	58.7	59.2	59.1	59.3	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4
600	55.1	58.4	59.9	59.2	59.5	59.6	59.8	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9
500	57.3	59.7	62.2	60.5	62.9	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.4
400	59.9	62.5	63.7	62.3	63.8	63.9	64.0	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2
300	61.7	63.3	63.3	64.1	64.6	64.7	64.8	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0
200	62.6	65.3	66.7	66.3	66.8	66.9	67.0	67.1	67.1	67.1	67.2	67.2	67.2	67.3	67.3	67.3
100	64.1	67.2	67.7	68.1	68.5	68.6	68.8	68.8	68.9	68.9	69.0	69.1	69.1	69.1	69.1	69.2
50	64.7	67.7	68.4	68.8	69.3	69.4	69.6	69.7	69.7	69.8	69.9	69.9	69.9	69.9	69.9	69.9
25	65.2	68.1	69.2	70.3	70.9	71.0	71.2	71.3	71.3	71.4	71.4	71.5	71.5	71.5	71.5	71.6
15	66.8	70.2	71.1	71.4	72.0	72.1	72.3	72.4	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.7
10	68.7	71.5	72.7	73.2	73.9	74.1	74.3	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6
5	69.1	73.1	74.0	74.6	75.3	75.5	75.8	75.9	76.0	76.1	76.2	76.2	76.2	76.3	76.3	76.3
2	72.7	74.9	76.3	76.6	77.6	77.8	78.1	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5
1	72.2	76.7	77.8	78.4	79.4	79.6	79.9	80.2	80.2	80.4	80.6	80.6	80.6	80.6	80.6	80.7
0.5	73.9	78.2	79.4	80.3	81.1	81.4	81.7	82.1	82.2	82.4	82.7	82.7	82.7	82.7	82.7	82.7
0.25	74.1	78.9	80.2	80.8	82.0	82.2	82.7	83.1	83.2	83.5	83.7	83.8	83.8	83.8	83.8	83.8
0.1	75.2	80.2	81.5	82.2	83.5	83.8	84.4	84.9	85.1	85.4	85.5	85.5	85.5	85.5	85.5	85.5
0.05	77.1	82.4	84.0	84.7	86.3	86.7	87.4	88.1	88.2	88.6	89.1	89.1	89.1	89.2	89.2	89.2
0.025	77.8	83.4	85.1	85.9	87.6	88.0	88.9	89.6	89.9	90.4	90.9	91.0	91.1	91.2	91.2	91.4
0.01	78.2	84.1	86.7	86.7	88.6	89.0	89.9	90.7	91.9	91.6	92.2	92.2	92.2	92.2	92.2	92.2
0.005	78.4	84.6	86.5	87.3	89.2	89.7	90.6	91.4	91.7	92.3	93.2	93.1	93.3	93.5	93.5	93.8
0.0025	78.7	85.1	86.9	87.8	89.8	90.3	91.4	92.3	92.5	93.3	94.0	94.1	94.4	94.6	94.6	94.6
0.001	78.3	85.2	87.4	88.3	90.3	90.8	92.0	92.9	93.2	94.1	94.7	94.9	95.2	95.4	95.5	95.8
0.0005	79.0	85.5	87.8	88.6	91.1	91.6	92.8	93.8	94.1	95.1	95.7	95.8	96.3	96.4	96.5	96.9
0.00025	79.0	85.7	88.1	89.2	91.6	92.2	93.3	94.5	94.9	95.8	96.6	96.7	97.2	97.4	97.5	97.8
0.0001	79.1	85.8	88.7	89.3	91.9	92.4	93.7	94.9	95.5	96.6	97.4	97.6	98.1	98.2	98.3	98.7
0.00005	79.1	85.9	89.2	89.3	91.7	92.5	93.8	95.2	95.7	97.0	98.0	98.1	98.6	98.6	98.9	99.2
0.000025	79.1	85.9	89.2	89.4	92.7	92.5	93.9	95.3	95.9	97.1	98.2	98.3	98.8	98.8	99.1	99.3
0.00001	79.1	85.9	89.2	89.4	92.7	92.6	93.9	95.3	95.9	97.2	98.2	98.3	98.8	98.8	99.1	99.3

TOTAL NUMBER OF OBSERVATIONS 7354

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

707575 MINOT AFB ND

73-02

APC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11
600	57.4	58.6	59.8	60.3	60.3	60.3	60.3	60.3	60.7	61.3	61.6	61.6	61.6	61.6	61.6	61.6
500	51.3	51.7	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7
400	51.3	52.0	52.4	52.6	52.8	52.8	52.8	52.8	52.8	53.1	53.1	53.1	53.1	53.1	53.1	53.1
300	51.3	52.0	52.4	52.6	52.8	52.8	52.8	52.8	52.8	53.1	53.1	53.1	53.1	53.1	53.1	53.1
200	51.2	51.3	52.3	53.1	53.1	53.1	53.1	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3
100	51.7	52.8	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8
80	53.6	54.7	55.4	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
60	54.3	55.1	55.7	56.2	56.2	56.2	56.2	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4
40	55.7	56.9	57.4	58.2	58.4	58.4	58.7	58.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9
20	57.9	59.6	60.1	60.9	61.1	61.1	61.3	61.3	61.7	61.5	61.5	61.5	61.5	61.5	61.5	61.5
10	57.1	71.1	71.6	72.3	72.6	72.6	72.8	72.8	72.8	73.3	73.7	73.7	73.7	73.7	73.7	73.7
500	71.5	73.5	74.1	74.9	75.1	75.1	75.2	75.3	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5
400	72.3	74.8	75.3	76.1	76.3	76.3	76.5	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8
300	74.1	76.9	77.4	78.2	78.4	78.4	78.7	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9
200	75.2	78.2	78.5	79.6	79.9	80.0	80.2	80.2	80.7	80.4	80.4	80.4	80.4	80.4	80.4	80.4
100	76.2	79.6	80.1	80.9	81.2	81.3	81.7	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9
80	77.2	81.6	81.8	82.7	83.0	83.1	83.4	83.4	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7
60	78.7	82.6	83.9	84.8	85.2	85.3	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9
40	78.9	83.1	84.6	85.4	85.9	86.1	86.3	86.3	86.7	86.5	86.6	86.6	86.6	86.6	86.6	86.6
20	80.0	84.4	86.7	86.9	87.3	87.4	87.8	87.8	87.8	88.1	88.7	88.7	88.7	88.7	88.7	88.7
10	80.3	84.8	86.6	87.6	88.6	88.8	89.1	89.1	89.1	89.3	89.4	89.4	89.4	89.4	89.4	89.4
500	81.3	85.4	89.1	89.6	90.4	90.7	91.1	91.2	91.2	91.6	91.7	91.7	91.7	91.7	91.7	91.7
400	82.3	85.4	89.7	89.9	90.8	91.0	91.6	91.7	91.7	92.0	92.1	92.1	92.1	92.1	92.1	92.1
300	82.9	85.6	88.6	91.1	91.0	91.2	91.8	91.9	92.7	92.3	92.4	92.4	92.4	92.4	92.4	92.4
200	83.9	85.7	88.5	91.3	91.2	91.4	92.1	92.2	92.3	92.7	92.8	92.8	92.8	92.8	92.8	92.8
100	84.1	86.2	89.4	91.0	92.0	92.0	92.9	93.1	93.4	93.3	93.9	93.9	93.9	93.9	93.9	93.9
80	84.2	86.4	89.9	91.4	92.7	93.2	93.9	94.1	94.6	94.9	95.1	95.1	95.1	95.1	95.1	95.1
60	84.2	86.4	91.1	91.6	93.2	93.8	94.7	95.0	95.4	95.9	96.0	96.0	96.0	96.0	96.0	96.0
40	84.2	86.4	91.1	91.6	93.2	93.8	94.7	95.0	95.4	95.9	96.0	96.0	96.0	96.0	96.0	96.0
20	84.2	86.4	91.1	91.6	93.2	93.8	94.7	95.0	95.4	95.9	96.0	96.0	96.0	96.0	96.0	96.0
10	84.2	86.4	91.1	91.6	93.2	93.8	94.7	95.0	95.4	95.9	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB MD

73-37

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.01	≥0
NO CEILING	41.2	51.6	51.9	52.1	52.1	52.1	52.2	52.4	52.6	52.6	52.7	52.7	52.9	52.9	52.9	52.9
≥2000	52.3	54.4	54.7	55.1	55.1	55.1	55.2	55.6	55.7	55.7	55.3	55.3	55.9	55.9	55.9	55.9
≥1800	52.9	55.3	55.9	56.0	56.0	56.0	56.1	56.4	56.6	56.6	56.7	56.7	56.8	56.8	56.9	56.9
≥1600	53.3	55.8	56.2	56.4	56.4	56.4	56.6	56.9	57.0	57.0	57.1	57.1	57.2	57.2	57.2	57.3
≥1400	54.6	57.2	57.8	58.0	58.0	58.0	58.1	58.4	58.6	58.6	58.7	58.7	58.8	58.8	58.8	58.9
≥1200	56.9	59.6	60.1	60.3	60.3	60.3	60.4	60.8	60.9	60.9	61.0	61.0	61.1	61.1	61.1	61.2
≥1000	57.8	60.0	61.1	61.3	61.3	61.4	61.7	62.0	62.1	62.1	62.2	62.2	62.3	62.3	62.3	62.4
≥800	61.3	64.0	64.6	64.8	64.8	64.9	65.1	65.4	65.6	65.6	65.7	65.7	65.8	65.9	65.9	66.0
≥600	62.3	65.6	66.1	66.3	66.3	66.4	66.7	67.0	67.1	67.1	67.2	67.2	67.3	67.4	67.4	67.5
≥400	63.6	67.1	67.3	68.0	68.0	68.1	68.3	68.7	68.8	68.8	68.9	68.9	69.0	69.1	69.1	69.4
≥200	65.4	69.2	70.0	70.4	70.4	70.6	70.8	71.1	71.2	71.2	71.3	71.3	71.4	71.6	71.6	71.9
≥100	66.3	70.2	71.0	71.4	71.4	71.6	71.8	72.1	72.2	72.2	72.3	72.3	72.4	72.6	72.6	72.9
≥50	67.8	71.9	72.7	73.1	73.1	73.2	73.4	73.8	73.9	73.9	74.0	74.0	74.1	74.2	74.2	74.6
≥25	68.6	73.0	73.8	74.3	74.3	74.4	74.7	75.0	75.1	75.1	75.2	75.2	75.3	75.4	75.4	75.8
≥12.5	69.3	74.3	75.2	75.8	75.8	75.9	76.1	76.4	76.6	76.6	76.7	76.7	76.8	76.9	76.9	77.2
≥6.25	70.2	75.8	76.9	77.6	77.6	77.7	77.9	78.2	78.3	78.3	78.4	78.4	78.6	78.7	78.7	79.0
≥3.125	71.7	77.4	78.9	79.8	79.8	80.0	80.2	80.4	80.9	81.1	81.2	81.2	81.3	81.4	81.6	81.9
≥1.5625	72.1	78.3	79.8	80.8	81.1	81.3	81.6	82.0	82.2	82.3	82.3	82.4	82.5	82.7	82.7	83.0
≥0.78125	73.7	79.4	80.9	81.9	82.2	82.6	82.8	83.3	83.6	83.7	83.9	83.9	84.0	84.1	84.1	84.4
≥0.390625	74.3	81.4	82.9	83.9	84.2	84.7	84.9	85.4	85.7	85.9	86.1	86.1	86.2	86.3	86.3	86.7
≥0.1953125	75.0	83.0	84.9	85.8	86.1	86.6	86.8	87.3	87.6	88.0	88.2	88.2	88.4	88.6	88.6	88.9
≥0.09765625	75.2	83.3	85.6	86.6	86.9	87.3	87.6	88.1	88.3	88.9	89.2	89.2	89.6	89.8	89.8	90.3
≥0.048828125	75.4	84.2	86.1	87.1	87.8	88.3	88.7	89.2	89.4	90.0	90.3	90.3	90.8	91.0	91.0	91.6
≥0.0244140625	75.4	84.4	86.3	87.3	88.1	88.7	89.0	89.6	89.8	90.4	90.9	90.9	91.3	91.6	91.7	92.2
≥0.01220703125	75.7	84.9	86.8	88.0	88.9	89.6	89.9	90.4	90.7	91.4	91.9	91.9	92.3	92.6	92.7	93.2
≥0.006103515625	76.1	85.4	87.8	89.0	90.0	90.8	91.2	91.9	92.1	92.9	93.3	93.3	93.9	94.1	94.2	94.8
≥0.0030517578125	76.3	86.0	88.9	90.4	91.8	92.7	93.7	94.4	94.7	95.5	96.0	96.0	96.6	96.8	96.9	97.4
≥0.00152587890625	76.3	86.0	88.9	90.4	92.3	93.3	94.9	95.8	96.2	97.2	97.8	97.8	98.4	99.0	99.2	99.9
≥0.000762939453125	76.3	86.0	88.9	90.4	92.3	93.3	94.9	95.8	96.2	97.2	97.8	97.8	98.4	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND 73-67 581

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-2-1972

ELEVATION FEET	VISIBILITY - STATUTE MILES															
	30	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO. OF OBS.	49.7	51.3	51.6	50.0	51.0	51.0	51.2	51.2	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4
2-2000	44.4	55.6	55.6	56.6	56.2	56.2	56.4	56.4	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7
2-1800	55.2	55.3	56.6	56.6	57.0	57.0	57.2	57.2	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4
2-1600	55.2	56.3	56.6	56.6	57.0	57.0	57.2	57.2	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4
2-1400	55.9	57.0	57.2	57.4	57.7	57.7	57.9	57.9	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1
2-1200	56.9	56.4	58.7	58.9	59.1	59.1	59.3	59.3	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6
2-1000	58.3	61.0	61.2	61.4	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
2-800	59.9	61.6	61.8	62.2	62.2	62.2	62.4	62.4	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7
2-600	62.3	64.1	64.3	64.6	64.8	64.8	65.0	65.0	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2
2-400	63.1	64.9	65.1	65.3	65.6	65.6	65.8	65.8	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0
2-200	63.8	65.9	66.0	66.4	66.8	66.8	67.0	67.0	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3
2-000	65.6	68.3	68.7	68.9	69.2	69.2	69.4	69.4	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8
1-400	66.4	69.0	69.4	69.7	70.0	70.0	70.2	70.2	70.3	70.4	70.6	70.6	70.6	70.6	70.6	70.6
1-200	67.9	71.7	72.1	72.3	72.7	72.7	72.9	72.9	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.2
1-000	71.2	74.0	74.6	74.8	75.1	75.1	75.3	75.3	75.4	75.6	75.7	75.7	75.7	75.7	75.7	75.7
1-800	75.0	77.9	78.4	78.7	79.0	79.0	79.2	79.2	79.3	79.4	79.6	79.6	79.6	79.6	79.6	79.6
1-600	76.3	81.3	82.0	82.4	82.8	82.8	83.1	83.1	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4
1-400	80.4	84.1	84.9	85.3	85.7	85.7	86.0	86.0	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.4
1-200	81.1	85.1	85.9	86.3	86.7	86.7	87.0	87.0	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4
1-000	82.2	86.7	87.6	88.0	88.3	88.3	88.7	88.7	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2
1-800	83.3	88.6	89.4	90.0	90.3	90.3	90.8	90.8	91.2	91.4	91.7	91.7	91.7	91.7	91.7	91.7
1-600	84.2	89.8	90.8	91.3	91.9	91.9	92.3	92.3	93.1	93.3	93.6	93.6	93.6	93.6	93.6	93.6
1-400	84.2	90.1	91.6	92.1	92.8	92.8	93.3	93.7	94.1	94.3	94.7	94.7	94.8	94.8	94.8	94.8
1-200	84.6	90.9	92.7	93.3	94.0	94.0	94.6	95.0	95.6	95.8	96.2	96.2	96.3	96.3	96.3	96.4
1-000	84.8	91.2	93.1	93.8	94.8	94.8	95.3	95.8	96.4	96.7	97.1	97.1	97.2	97.2	97.2	97.3
1-800	84.9	91.3	93.2	94.0	95.0	95.0	95.7	96.2	96.7	97.1	97.7	97.7	97.8	97.8	97.8	97.9
1-600	84.9	91.6	93.6	94.4	95.6	95.6	96.2	96.9	97.6	97.8	98.3	98.3	98.4	98.4	98.4	98.6
1-400	85.0	91.9	94.0	94.9	96.1	96.1	97.0	97.7	98.3	98.8	99.3	99.3	99.4	99.4	99.4	99.6
1-200	85.0	91.9	94.0	94.9	96.1	96.1	97.0	97.7	98.3	98.8	99.4	99.4	99.8	99.8	99.9	99.9
1-000	85.0	91.9	94.0	94.9	96.1	96.1	97.0	97.7	98.3	98.8	99.4	99.4	99.8	99.8	99.9	99.9
1-800	85.0	91.9	94.0	94.9	96.1	96.1	97.0	97.7	98.3	98.8	99.4	99.4	99.8	99.8	99.9	99.9
1-600	85.0	91.9	94.0	94.9	96.1	96.1	97.0	97.7	98.3	98.8	99.4	99.4	99.8	99.8	99.9	99.9
1-400	85.0	91.9	94.0	94.9	96.1	96.1	97.0	97.7	98.3	98.8	99.4	99.4	99.8	99.8	99.9	99.9
1-200	85.0	91.9	94.0	94.9	96.1	96.1	97.0	97.7	98.3	98.8	99.4	99.4	99.8	99.8	99.9	99.9
1-000	85.0	91.9	94.0	94.9	96.1	96.1	97.0	97.7	98.3	98.8	99.4	99.4	99.8	99.8	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 920

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB NO

73-02

45

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-1-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512
NO. OF OBS.	47.2	48.1	48.3	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
20000	52.7	53.7	53.7	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
2 8000	52.8	53.8	54.1	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
2 6000	52.8	53.8	54.1	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
2 4000	53.4	54.4	54.8	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
2 3000	54.4	55.4	55.8	56.1	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
2 2000	56.9	58.1	58.4	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
2 1500	58.7	59.2	59.6	59.9	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
2 1000	60.0	61.4	61.8	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
2 7500	61.8	63.3	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
2 6000	62.9	64.8	65.1	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
2 5000	64.2	66.2	66.6	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
2 4500	67.8	69.9	70.2	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
2 4000	71.2	73.7	74.0	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
2 3500	75.3	75.8	76.2	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
2 3000	77.4	80.2	80.7	81.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
2 2500	80.6	84.2	84.7	85.1	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
2 2000	81.8	86.8	87.4	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
2 1800	82.2	87.9	88.7	89.1	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
2 1600	82.7	89.2	90.0	90.4	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
2 1400	83.3	90.6	91.6	92.0	93.1	93.2	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2 1200	83.7	91.3	92.3	92.8	93.7	94.0	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
2 1000	83.9	91.9	93.1	93.6	94.9	95.1	95.2	95.4	95.4	95.7	96.1	96.1	96.2	96.3	96.4	96.4
2 9000	84.0	92.4	93.8	94.6	96.1	96.3	96.4	96.7	96.7	96.9	97.4	97.4	97.6	97.7	97.8	97.8
2 8000	84.1	92.6	94.0	95.0	96.6	96.8	96.9	97.1	97.1	97.3	97.9	97.9	98.0	98.1	98.2	98.2
2 7000	84.2	92.7	94.1	95.1	96.7	96.9	97.1	97.3	97.3	97.5	98.3	98.3	98.4	98.6	98.7	98.7
2 6000	84.7	92.8	94.2	95.2	96.8	97.0	97.2	97.4	97.4	97.7	98.7	98.8	98.9	99.0	99.1	99.1
2 5000	84.3	92.8	94.2	95.2	96.9	97.1	97.3	97.6	97.7	98.0	99.0	99.1	99.2	99.3	99.4	99.4
2 4000	84.3	92.8	94.2	95.2	97.0	97.2	97.4	97.7	97.8	98.1	99.2	99.3	99.4	99.7	99.8	99.8
2 3000	84.3	92.8	94.2	95.2	97.0	97.2	97.4	97.7	97.8	98.1	99.2	99.3	99.4	99.7	99.8	99.8
2 2000	84.3	92.8	94.2	95.2	97.0	97.2	97.4	97.7	97.8	98.1	99.2	99.3	99.4	99.7	99.8	99.8
2 1500	84.3	92.8	94.2	95.2	97.0	97.2	97.4	97.7	97.8	98.1	99.2	99.3	99.4	99.7	99.8	99.8
2 1000	84.3	92.8	94.2	95.2	97.0	97.2	97.4	97.7	97.8	98.1	99.2	99.3	99.4	99.7	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675 MINCT AFB ND

73-02

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

8-0-0000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥10000	51.3	51.6	51.7	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
9000	54.7	55.9	56.1	56.2	56.6	56.6	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
8000	56.5	57.7	57.9	58.0	58.4	58.4	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
7000	56.6	57.8	58.0	58.2	58.6	58.6	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
6000	57.1	58.4	58.6	58.8	59.1	59.1	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
5000	58.1	59.4	59.6	59.9	60.2	60.2	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
4000	59.5	60.8	61.0	61.4	61.7	61.7	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
3000	60.0	61.4	61.6	61.9	62.2	62.2	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
2000	62.8	64.5	64.7	65.0	65.4	65.4	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
1000	64.5	66.5	66.8	67.1	67.5	67.5	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
500	65.8	68.2	68.5	68.8	69.3	69.3	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
400	66.9	71.3	71.7	72.0	72.5	72.5	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
300	67.6	72.3	72.7	73.1	73.5	73.5	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
200	73.5	76.6	77.3	77.8	78.4	78.4	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
100	75.6	78.8	79.6	80.3	81.2	81.2	81.5	81.8	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1
50	78.2	81.8	82.6	83.3	84.3	84.3	84.6	85.0	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2
25	79.6	84.7	85.5	86.3	87.3	87.3	87.8	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3
15	81.1	87.0	88.0	88.8	90.1	90.2	90.6	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2
10	81.3	87.2	88.3	89.1	90.4	90.5	91.0	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5
5	81.4	87.3	88.4	89.2	90.6	90.8	91.2	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9
2	82.0	88.2	89.5	90.3	91.8	91.9	92.3	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2
1	82.2	88.4	89.9	90.6	92.3	92.4	93.0	93.7	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1
0.5	82.4	88.9	90.3	91.4	93.1	93.2	93.8	94.4	94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9
0.25	82.4	89.0	90.4	91.5	93.2	93.4	94.0	94.7	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1
0.1	82.5	89.3	90.9	92.1	94.0	94.2	94.8	95.4	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9
0.05	82.5	89.5	91.2	92.4	94.5	94.8	95.4	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0.025	82.5	89.5	91.2	92.4	94.5	94.8	95.4	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0.01	82.5	89.5	91.2	92.4	94.5	94.8	95.4	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0.005	82.5	89.5	91.2	92.4	94.5	94.8	95.4	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0.0025	82.5	89.5	91.2	92.4	94.5	94.8	95.4	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0.001	82.5	89.5	91.2	92.4	94.5	94.8	95.4	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0.0005	82.5	89.5	91.2	92.4	94.5	94.8	95.4	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0.00025	82.5	89.5	91.2	92.4	94.5	94.8	95.4	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0.0001	82.5	89.5	91.2	92.4	94.5	94.8	95.4	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0.00005	82.5	89.5	91.2	92.4	94.5	94.8	95.4	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0.000025	82.5	89.5	91.2	92.4	94.5	94.8	95.4	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0.00001	82.5	89.5	91.2	92.4	94.5	94.8	95.4	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS 635

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-87

APC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-3-2401

CEILING FEET	VISIBILITY STAT IN MILES															
	≥10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	57.4	59.1	57.1	59.3	59.7	59.8	60.0	60.3	60.5	60.3	60.3	60.3	60.3	60.3	60.3	60.3
18000	60.1	62.3	62.3	62.6	62.9	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
16000	63.4	62.3	62.3	62.6	62.9	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
14000	62.6	62.6	62.6	62.6	63.1	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
12000	61.2	63.2	63.2	63.4	63.8	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
10000	63.6	65.7	65.7	65.9	66.2	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
9000	64.7	66.1	66.1	66.3	66.7	66.8	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
8000	67.2	69.4	69.4	69.6	70.3	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
7000	69.4	71.9	71.9	72.2	72.8	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
6000	70.9	73.3	73.3	73.7	74.2	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
5000	73.3	76.1	76.1	76.4	77.1	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
4500	74.2	77.1	77.1	77.4	78.2	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
4000	76.8	79.8	79.8	80.2	81.0	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
3500	78.7	81.9	82.0	82.4	83.2	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
3000	77.7	83.6	83.7	84.1	85.0	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
2500	81.7	86.4	86.8	87.2	88.1	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
2000	82.2	87.4	88.7	88.4	89.4	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
1800	82.1	87.9	88.6	89.0	90.1	90.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
1600	82.2	88.0	88.8	89.2	90.3	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
1400	82.8	89.2	90.2	90.7	92.0	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
1200	83.0	89.4	90.5	91.0	92.7	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
1000	83.7	89.7	91.2	91.7	93.3	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
900	83.1	89.9	91.4	91.9	93.7	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
800	83.3	90.6	92.2	92.7	94.7	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
700	83.4	91.1	93.0	93.7	95.9	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
600	83.6	91.2	93.4	94.3	96.3	96.4	96.9	97.2	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
500	83.6	91.2	93.4	94.3	96.7	96.9	97.3	97.9	98.4	98.6	98.7	98.8	98.8	98.8	98.8	98.8
400	83.6	91.2	93.4	94.3	96.7	96.9	97.6	98.1	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2
300	83.6	91.2	93.4	94.3	96.7	96.9	97.7	98.2	99.0	99.1	99.3	99.4	99.4	99.4	99.4	99.4
200	83.6	91.2	93.4	94.3	96.7	96.9	97.7	98.2	99.0	99.1	99.4	99.6	99.7	99.7	99.7	99.7
100	83.6	91.2	93.4	94.3	96.7	96.9	97.7	98.2	99.0	99.1	99.4	99.6	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 727

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINCI AFB NC

73-82

423

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING ≥20000	52.5	53.7	54.0	54.2	54.4	54.4	54.6	54.6	54.6	54.7	54.7	54.7	54.8	54.8	54.9	54.9
218000	55.9	57.2	57.5	57.7	58.0	58.0	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.7	58.4
216000	58.5	57.9	58.2	58.5	58.7	58.7	58.8	58.9	58.9	59.0	59.0	59.0	59.1	59.1	59.1	59.1
214000	56.5	58.0	58.3	58.5	58.8	58.8	58.9	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.2
212000	57.0	58.4	58.7	59.0	59.2	59.3	59.4	59.4	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.7
210000	57.8	59.3	59.6	59.9	60.2	60.2	60.3	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.6
208000	59.7	61.3	61.7	62.0	62.2	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.7
206000	60.5	62.2	62.5	62.8	63.1	63.1	63.3	63.3	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5
204000	63.1	65.0	65.3	65.7	66.0	66.0	66.2	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.5	66.5
202000	64.3	66.9	67.3	67.6	67.9	68.0	68.1	68.2	68.2	68.3	68.3	68.3	68.4	68.4	68.4	68.5
200000	66.0	68.3	68.7	69.0	69.4	69.4	69.6	69.7	69.7	69.7	69.8	69.8	69.8	69.9	69.9	69.9
198000	68.3	70.9	71.3	71.7	72.1	72.1	72.3	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.6	72.6
196000	69.2	71.9	72.4	72.8	73.1	73.2	73.3	73.4	73.4	73.5	73.5	73.5	73.6	73.6	73.6	73.7
194000	71.4	74.4	74.9	75.3	75.7	75.8	75.9	76.0	76.0	76.1	76.2	76.2	76.2	76.3	76.3	76.4
192000	72.9	76.2	76.7	77.2	77.7	77.7	77.9	78.0	78.0	78.1	78.1	78.2	78.2	78.2	78.3	78.3
190000	74.9	78.6	79.1	79.6	80.2	80.2	80.4	80.5	80.5	80.5	80.7	80.7	80.7	80.8	80.8	80.9
188000	76.7	80.8	81.6	82.1	82.7	82.8	83.0	83.1	83.1	83.2	83.2	83.2	83.3	83.3	83.3	83.4
186000	78.3	83.0	84.0	84.6	85.4	85.4	85.7	85.9	85.9	85.9	86.0	86.0	86.0	86.1	86.1	86.2
184000	78.7	83.8	84.8	85.4	86.2	86.3	86.5	86.6	86.7	86.6	86.8	86.8	86.9	86.9	86.9	87.0
182000	79.5	84.8	85.9	86.5	87.3	87.5	87.7	87.8	87.9	88.0	88.1	88.1	88.2	88.2	88.2	88.3
180000	80.4	86.3	87.6	88.3	89.3	89.4	89.7	89.9	90.0	90.2	90.3	90.3	90.4	90.4	90.5	90.6
178000	80.9	87.3	88.9	89.7	90.7	90.9	91.2	91.4	91.5	91.8	92.0	92.0	92.1	92.1	92.2	92.2
176000	81.1	87.7	89.5	90.3	91.4	91.6	91.9	92.2	92.3	92.6	92.8	92.8	92.9	93.0	93.0	93.2
174000	81.2	88.1	90.0	90.9	92.2	92.4	92.7	93.0	93.2	93.5	93.7	93.7	93.8	93.9	93.9	94.1
172000	81.3	88.4	90.4	91.4	92.8	93.0	93.4	93.7	93.9	94.2	94.5	94.5	94.6	94.7	94.7	94.9
170000	81.5	88.8	90.9	92.0	93.5	93.7	94.2	94.5	94.8	95.2	95.5	95.5	95.7	95.7	95.8	96.0
168000	81.6	89.0	91.3	92.4	94.1	94.4	94.9	95.4	95.8	96.2	96.5	96.6	96.8	96.9	96.9	97.1
166000	81.7	89.3	91.7	92.9	94.8	95.2	96.0	96.6	97.0	97.4	97.8	97.9	98.1	98.2	98.2	98.4
164000	81.7	89.3	91.7	93.0	95.0	95.4	96.3	97.0	97.4	98.0	98.4	98.5	98.7	98.8	98.9	99.1
162000	81.7	89.3	91.8	93.1	95.1	95.5	96.5	97.2	97.8	98.3	98.9	99.0	99.3	99.4	99.6	99.8
160000	81.7	89.3	91.8	93.1	95.1	95.5	96.5	97.2	97.8	98.3	99.0	99.0	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7198

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND 73-02 MAY
STATION NAME DATE
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
12000	59.7	59.9	60.3	61.4	61.4	61.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
8000	63.7	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
4000	64.3	64.3	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
2000	64.2	64.5	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
1000	64.6	64.9	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
500	67.4	67.7	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
250	72.5	72.6	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
100	71.0	71.4	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
50	74.2	74.4	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
25	76.7	77.2	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
15	79.5	80.4	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
10	81.5	82.7	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
5	83.1	84.8	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
2	84.1	86.3	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
1	86.1	88.4	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
0.5	86.3	88.9	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
0.2	87.2	89.9	90.5	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
0.1	87.3	90.0	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
0.05	88.7	91.6	92.4	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
0.02	89.2	92.2	93.0	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
0.01	89.6	92.8	93.8	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
0.005	89.6	92.8	93.9	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
0.002	89.7	92.9	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
0.001	90.1	93.4	94.5	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
0.0005	90.4	94.2	95.3	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
0.0002	90.4	94.3	95.6	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
0.0001	90.5	94.6	96.0	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
0.00005	90.6	94.6	96.1	96.9	97.6	97.7	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
0.00002	90.6	94.6	96.1	96.9	97.7	97.8	98.0	98.2	98.3	98.6	99.2	99.8	99.9	100.0	100.0	100.0
0.00001	90.6	94.6	96.1	97.0	97.8	98.0	98.2	98.3	98.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINCT AFB ND

73-82

YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

727-0122

CEILING FEET	VISIBILITY - STAT. MILES															
	210	20	21	24	25	22	27	2	24	21	24	24	24	24	24	24
1000	50.3	50.6	56.9	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
800	57.1	61.2	61.6	61.6	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
600	60.3	60.5	61.7	61.3	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
400	63.4	60.6	61.1	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
200	61.6	60.9	61.3	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
100	61.1	61.3	61.7	62.0	62.3	62.3	62.3	62.3	62.7	62.3	62.3	62.3	62.3	62.3	62.7	62.7
50	64.3	65.3	65.7	66.1	66.2	66.2	66.2	66.2	66.7	66.2	66.2	66.2	66.2	66.2	66.2	66.2
30	66.3	66.8	67.2	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
15	70.3	70.8	71.2	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
10	72.5	72.9	73.3	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
5	74.1	74.7	75.2	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
3	76.3	77.1	77.6	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
2	76.5	79.2	79.8	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
1	77.6	80.6	81.3	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
0	81.5	83.3	84.7	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
1000	83.3	85.3	85.9	86.2	86.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
800	84.4	86.2	87.0	87.3	87.5	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
600	85.6	88.7	88.7	89.0	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
400	85.9	88.3	89.1	89.5	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
200	86.7	89.4	90.2	90.5	90.8	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
100	87.3	90.8	91.6	91.9	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
50	88.5	91.7	92.6	92.9	93.1	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
30	88.8	92.2	93.0	93.3	93.5	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
15	88.8	92.2	93.1	93.4	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
10	88.9	92.3	93.2	93.6	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
5	89.4	93.0	94.3	94.6	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
3	89.5	93.4	94.7	95.3	95.7	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
2	89.5	93.7	95.2	95.7	96.3	96.5	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
1	89.7	94.2	95.8	96.3	97.1	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
0	89.7	94.2	95.9	96.7	97.4	97.5	98.0	98.1	98.1	98.2	98.3	98.5	98.6	98.6	98.6	98.6
1000	89.7	94.2	95.9	96.7	97.4	97.5	98.1	98.3	98.3	98.7	98.8	99.1	99.4	99.6	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

727

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

7575 MINOT AFB ND

73-57

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

540-5401

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
100	52.3	53.5	54.4	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
100	56.8	57.5	58.4	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
100	56.3	57.6	58.5	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
100	57.3	58.2	59.0	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
100	57.7	58.6	59.5	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
100	58.3	59.7	61.5	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
100	57.4	58.4	64.3	64.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
100	63.0	64.6	65.5	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
100	67.3	68.4	69.5	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
100	69.9	70.1	71.2	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
100	71.5	71.9	73.0	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
100	72.2	73.2	74.9	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
100	73.0	74.9	76.1	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
100	73.9	76.0	77.2	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
100	75.3	77.8	79.0	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
100	77.3	80.1	81.3	82.0	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
100	78.5	81.3	82.5	83.2	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
100	79.9	83.2	84.8	85.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
100	80.2	83.4	85.3	86.0	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
100	81.7	84.9	86.8	87.5	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
100	83.2	86.5	88.4	89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
100	84.0	87.7	89.7	90.6	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
100	84.5	88.4	91.4	91.4	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
100	84.6	88.6	91.8	91.7	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
100	84.7	88.9	91.7	92.2	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
100	85.1	89.9	92.4	93.4	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
100	85.9	90.9	93.3	94.4	95.3	95.4	95.5	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
100	85.9	91.1	93.8	95.1	96.2	96.5	96.7	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
100	86.7	91.6	94.3	95.6	97.0	97.3	97.6	98.3	98.3	98.5	98.7	98.7	98.7	98.7	98.7	98.7
100	86.7	91.6	94.3	95.7	97.2	97.5	98.0	98.7	98.7	99.1	99.5	99.5	99.5	99.5	99.5	99.5
100	86.0	91.6	94.3	95.7	97.2	97.5	98.0	98.8	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6
100	86.0	91.6	94.3	95.7	97.2	97.5	98.0	98.8	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

227675 MINOT AFB ND

73-87

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3-1-1122

CEILING FEET	VISIBILITY STATUTE MILES															
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0
1000	52.6	53.1	53.2	53.4	53.6	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
900	55.3	55.2	55.6	55.7	57.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
800	55.9	56.3	56.7	56.8	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
700	56.5	56.9	57.2	57.3	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
600	57.3	57.7	58.1	58.2	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
500	58.6	60.3	60.3	60.4	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
400	62.5	63.1	63.7	63.4	63.8	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
300	63.2	64.0	64.3	64.4	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
200	66.3	67.1	67.4	67.5	67.9	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
100	68.5	69.4	69.7	69.8	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
50	69.6	70.4	70.9	70.9	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
25	72.3	73.4	73.9	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
15	73.3	74.5	74.9	75.1	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
10	74.5	75.7	75.1	75.2	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
5	75.5	76.7	77.1	77.2	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
2	76.3	79.6	80.0	80.1	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
1	81.1	81.7	82.2	82.3	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
0.5	81.9	84.0	84.4	84.5	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
0.25	82.3	84.3	84.7	84.8	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
0.15	84.2	85.3	86.2	86.9	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
0.1	85.7	89.4	87.8	89.9	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
0.05	88.1	91.1	91.5	91.7	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
0.025	88.5	91.7	92.3	92.5	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
0.015	89.5	93.3	93.9	94.1	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
0.01	89.7	93.5	94.1	94.4	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
0.005	90.2	94.1	94.7	95.2	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
0.0025	91.2	94.6	95.3	95.8	97.1	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
0.0015	91.4	94.9	95.6	95.6	95.1	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
0.001	91.4	95.1	95.8	96.0	98.5	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0.0005	91.4	95.1	95.8	96.9	93.6	99.2	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.00025	92.4	95.1	95.8	96.9	98.6	99.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.00015	92.4	95.1	95.8	96.9	98.6	99.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 230

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

127575 MINOT AFB ND

73-27

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

11-7-1977

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	26	28	24	25	22	23	21	20	19	18	17	16	15	14	13
1000	46.2	46.8	47.1	47.1	47.1	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
800	52.5	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
600	54.2	54.8	55.2	55.2	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
400	54.8	55.2	55.5	55.5	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
200	55.4	56.0	56.3	56.3	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
100	57.3	58.2	58.7	58.7	58.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
50	59.7	61.3	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
25	61.1	61.7	62.1	62.1	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
15	64.1	64.9	65.3	65.3	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
10	65.2	66.1	66.5	66.5	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
5	65.7	66.7	67.7	67.7	67.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
0	68.9	69.9	71.3	71.3	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
450	71.1	71.1	71.5	71.5	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
400	73.1	74.2	74.6	74.6	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
350	75.5	76.8	77.2	77.2	77.2	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
300	78.8	80.2	82.6	82.6	82.6	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
250	81.7	84.5	85.1	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
200	84.3	87.1	87.5	87.6	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
150	85.9	88.6	89.1	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
100	87.3	90.0	92.5	92.6	92.6	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
50	89.1	92.3	93.1	93.2	93.2	93.5	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
25	89.7	93.1	94.1	94.2	94.2	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
15	89.9	93.5	94.6	94.7	94.7	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
10	90.3	94.1	95.2	95.4	95.4	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
5	90.6	94.4	95.9	96.1	96.1	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
0	92.6	94.7	96.3	96.6	97.2	97.7	97.8	96.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
450	91.7	95.3	97.1	97.4	98.1	98.7	98.9	99.0	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5
400	91.9	95.4	97.2	97.5	98.3	98.9	99.1	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
350	90.9	95.4	97.4	97.7	98.5	99.1	99.4	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
300	90.9	95.4	97.4	97.7	98.5	99.1	99.4	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
250	90.9	95.4	97.4	97.7	98.5	99.1	99.4	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 97

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF- WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

WINGT AFB MO

73-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11-17-77

		VISIBILITY IN STATUTE MILES															
		20	26	31	34	38	42	44	48	50	54	58	62	64	68	70	74
100	43.5	44.4	44.4	44.4	44.4	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
90	51.1	51.5	52.7	52.2	52.2	52.4	52.4	52.2	52.3	52.5	52.5	52.7	52.7	52.7	52.7	52.7	52.7
80	51.7	52.6	52.9	52.6	52.8	53.7	57.7	53.1	57.1	53.1	57.1	53.1	57.1	53.1	57.1	53.1	57.1
70	52.5	52.9	53.1	53.1	53.1	53.3	57.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
60	53.7	54.4	54.7	54.6	54.6	54.8	54.8	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
50	55.5	56.5	56.7	56.7	56.7	56.7	56.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
40	57.4	58.3	58.5	58.5	58.5	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
30	58.3	59.2	59.5	59.5	59.5	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
20	60.3	63.2	63.4	63.5	63.5	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
10	64.5	65.6	65.9	65.9	65.9	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
0	66.3	67.5	67.8	67.8	67.8	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
90	70.3	72.4	72.7	72.7	72.7	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
80	75.3	74.9	75.3	75.3	75.3	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
70	77.1	78.9	79.4	79.4	79.5	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
60	81.5	81.6	81.2	82.2	82.4	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
50	85.3	84.5	85.1	85.1	85.3	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
40	85.9	86.3	86.8	86.8	87.1	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
30	87.7	90.2	91.3	91.9	91.2	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
20	87.8	91.3	91.5	91.5	91.3	91.5	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
10	88.4	91.2	92.0	92.0	92.4	92.9	92.8	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
0	89.7	92.7	93.7	93.9	94.7	94.4	94.6	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
90	91.3	93.7	94.7	95.1	95.4	95.6	95.5	96.1	96.1	95.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
80	91.5	94.1	95.2	95.5	95.8	96.0	96.2	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
70	91.6	94.2	95.4	95.7	96.1	96.2	96.5	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
60	91.8	94.5	95.8	96.1	96.5	96.7	96.9	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
50	91.9	94.6	96.7	96.3	96.7	97.1	97.4	97.1	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
40	91.2	95.2	96.5	96.9	97.0	98.0	98.4	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
30	91.2	95.3	96.6	97.0	97.7	98.1	98.8	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
20	91.2	95.4	96.7	97.1	97.8	98.2	98.9	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
10	91.2	95.4	96.7	97.1	97.8	98.2	98.9	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	91.2	95.4	96.7	97.1	97.8	98.2	98.9	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

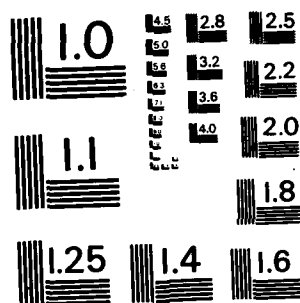
UNCLASSIFIED

MINOT AFB NORTH DAKOTA REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATION (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. APR 83
USAFETAC/DS 83/018 SBI-AD-E850 396 F/G 4/2

F/G 4/2

NL

314



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675

MINOT AFB MD

73-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1810-2200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	47.8	49.4	49.5	49.6	49.8	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 20000	54.7	56.6	56.7	56.8	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 18000	55.4	57.2	57.3	57.4	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 16000	55.6	57.4	57.5	57.6	57.8	57.8	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 14000	56.5	58.3	58.4	58.5	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 12000	59.4	61.3	61.4	61.6	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000	61.9	63.9	64.0	64.2	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 9000	62.5	64.4	64.5	64.7	64.9	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 8000	66.0	68.1	68.2	68.4	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 7000	69.4	71.4	71.5	71.7	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 6000	71.7	74.4	74.5	74.7	74.9	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 5000	74.8	77.8	78.1	78.3	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4500	77.3	80.4	80.6	80.9	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 4000	79.9	83.4	83.7	84.1	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 3500	82.2	85.7	86.0	86.5	86.7	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 3000	84.1	87.8	88.2	88.6	88.8	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2500	85.3	89.0	89.4	89.9	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2000	86.7	90.4	90.8	91.4	91.6	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1800	87.1	90.9	91.2	91.8	92.0	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500	87.7	91.9	92.3	93.0	93.3	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1200	88.3	92.9	93.3	94.1	94.4	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1000	89.1	94.5	94.9	95.7	96.0	96.2	96.2	96.3	96.3	96.3	96.3	96.5	96.5	96.5	96.5	96.5
≥ 900	89.5	94.8	95.3	96.0	96.3	96.6	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	89.7	95.5	95.9	96.7	97.0	97.2	97.2	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	89.7	95.5	95.9	96.7	97.0	97.2	97.2	97.3	97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5
≥ 600	89.8	95.7	96.1	96.9	97.4	97.6	97.7	97.8	97.8	97.8	98.1	98.2	98.2	98.2	98.2	98.2
≥ 500	89.8	95.8	96.5	97.2	98.2	98.4	98.7	99.0	99.1	99.1	99.4	99.5	99.5	99.5	99.5	99.5
≥ 400	89.8	95.8	96.5	97.2	98.2	98.4	98.8	99.1	99.2	99.4	99.6	99.7	99.7	99.7	99.7	99.7
≥ 300	89.8	95.8	96.5	97.2	98.2	98.5	98.9	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200	89.8	95.8	96.5	97.2	98.2	98.5	98.9	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	89.8	95.8	96.5	97.2	98.2	98.5	98.9	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	89.8	95.8	96.5	97.2	98.2	98.5	98.9	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575
STATION

MINOT AFB ND
STATION NAME

73-82
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2120-2320
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	58.7	59.1	59.1	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 20000	62.7	63.3	63.3	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 18000	62.9	63.5	63.5	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 16000	63.4	64.1	64.1	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 14000	63.9	64.5	64.5	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 12000	65.2	65.8	65.8	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 10000	67.1	67.8	67.8	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 9000	68.1	68.8	68.8	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 8000	70.8	71.7	71.7	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 7000	74.0	75.2	75.2	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 6000	76.5	78.2	78.2	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 5000	79.5	81.2	81.2	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 4500	81.8	83.5	83.5	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 4000	83.2	85.7	85.7	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3500	85.3	87.8	87.8	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 3000	86.7	89.2	89.2	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 2500	87.6	90.3	90.3	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	88.3	91.5	91.6	92.0	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1800	88.5	91.8	91.9	92.4	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1500	89.0	92.7	93.0	93.5	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1200	90.0	93.8	94.1	94.6	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1000	90.5	94.8	95.2	95.7	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	90.5	94.9	95.3	95.8	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 800	90.8	95.4	95.7	96.2	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	90.8	95.4	95.8	96.5	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 600	90.8	95.4	95.8	96.5	96.9	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 500	91.0	95.6	96.0	96.7	97.4	97.7	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 400	91.0	95.6	96.2	97.0	98.0	98.3	98.6	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	91.0	95.6	96.2	97.0	98.0	98.3	98.8	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	91.0	95.6	96.2	97.0	98.0	98.3	98.8	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	91.0	95.6	96.2	97.0	98.0	98.3	98.8	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	91.0	95.6	96.2	97.0	98.0	98.3	98.8	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675

MINOT AFB ND

73-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	52.2	52.8	53.1	53.3	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000	57.3	58.0	58.3	58.5	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 18000	57.6	58.4	58.7	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 16000	58.0	58.7	59.0	59.2	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 14000	58.6	59.4	59.7	59.9	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 12000	60.2	60.9	61.3	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 10000	62.9	63.7	64.1	64.2	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 9000	63.9	64.8	65.1	65.3	65.4	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 8000	67.2	68.2	68.6	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 7000	69.6	70.6	71.0	71.2	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 6000	71.4	72.6	73.0	73.2	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 5000	74.3	75.8	76.2	76.4	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 4500	76.1	77.7	78.1	78.4	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 4000	78.0	79.9	80.4	80.7	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 3500	79.9	82.0	82.5	82.8	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 3000	82.1	84.4	84.9	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 2500	83.8	86.3	86.8	87.2	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 2000	85.2	88.0	88.7	89.0	89.2	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 1800	85.6	88.5	89.1	89.5	89.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 1500	86.7	89.8	90.5	90.9	91.1	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 1200	88.0	91.3	92.1	92.6	92.8	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 1000	88.7	92.4	93.3	93.8	94.1	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 900	89.0	92.8	93.7	94.2	94.5	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 800	89.2	93.3	94.2	94.7	95.0	95.2	95.2	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4
IV 700	89.4	93.5	94.6	95.1	95.4	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9
IV 600	89.7	94.0	95.1	95.7	96.2	96.4	96.5	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.8	96.8
IV 500	89.9	94.4	95.6	96.3	97.0	97.3	97.5	97.7	97.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9
IV 400	89.9	94.5	95.9	96.6	97.5	97.8	98.1	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.7
IV 300	89.9	94.7	96.1	96.8	97.8	98.2	98.5	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 200	89.9	94.7	96.1	96.9	97.9	98.3	98.7	99.1	99.2	99.4	99.5	99.6	99.7	99.7	99.7	99.7
IV 100	89.9	94.7	96.1	96.9	97.9	98.3	98.7	99.1	99.2	99.6	99.8	99.8	99.9	99.9	99.9	99.9
IV 0	89.9	94.7	96.1	96.9	97.9	98.3	98.7	99.1	99.2	99.6	99.8	99.8	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 7880

USAF ETAC FORM 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-3230
MOSES

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	64.6	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥20000	69.2	69.3	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 18000	69.3	69.4	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 16000	69.3	69.4	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 14000	69.9	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 12000	72.7	72.8	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 10000	76.0	76.3	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 9000	76.7	77.0	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 8000	80.0	80.3	80.6	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 7000	83.2	84.2	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 6000	84.6	86.3	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 5000	86.4	89.0	89.3	89.4	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 4500	87.1	90.1	90.4	90.6	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 4000	87.9	90.9	91.3	91.4	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 3500	88.8	91.8	92.3	92.4	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 3000	90.3	93.4	94.0	94.1	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 2500	90.7	93.9	94.4	94.6	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 2000	91.2	94.6	95.1	95.2	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1800	91.4	95.0	95.6	95.7	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1500	92.2	96.0	96.7	96.8	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1200	92.9	96.8	97.4	97.6	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1000	93.0	96.9	97.6	97.8	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 900	93.1	97.2	97.9	98.1	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 800	93.3	97.6	98.2	98.4	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 700	93.3	97.6	98.2	98.4	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 600	93.3	97.8	98.4	98.7	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	93.3	97.8	98.4	98.7	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	93.3	97.8	98.4	98.7	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	93.3	97.8	98.4	98.7	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	93.3	97.8	98.4	98.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	93.3	97.8	98.4	98.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	93.3	97.8	98.4	98.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675

MINOT AFB ND

73-82

114

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

337-0577

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	60.8	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.6	61.6	61.6	61.7	61.7
≥20000	65.9	66.3	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.9	66.9	66.9	67.0	67.0
≥18000	66.0	66.4	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.1	67.1
≥16000	66.0	66.4	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.1	67.1
≥14000	66.7	67.2	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.9	67.9
≥12000	69.4	70.0	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.6	70.6	70.6	70.7	70.7
≥10000	75.3	75.8	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.4	76.4	76.4	76.6	76.6
≥9000	75.8	76.6	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.3	77.3
≥8000	78.4	79.6	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.3	80.3
≥7000	81.8	83.0	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.7	83.8	83.8
≥6000	83.0	84.4	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.3	85.3
≥5000	85.2	87.1	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.3	88.3
≥4500	86.6	88.6	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.8	89.8
≥4000	87.3	89.4	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.6	90.6	90.6	90.7	90.7
≥3500	88.3	90.8	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.1	92.1
≥3000	89.3	91.9	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.2	93.2
≥2500	90.0	92.6	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.9	93.9
≥2000	90.9	93.6	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.1	95.1
≥1800	90.9	93.7	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.3	95.3
≥1500	91.6	94.3	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	96.0	96.0
≥1200	92.0	95.0	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.7	96.7
≥1000	92.1	95.4	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.1	97.1
≥900	92.1	95.6	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.6	97.6
≥800	92.4	96.0	97.3	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.1	98.1
≥700	92.6	96.1	97.4	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.3	98.3
≥600	92.7	96.6	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2
≥500	92.7	96.6	98.1	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.4	99.4
≥400	92.8	96.7	98.2	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.7	99.7
≥300	92.8	96.7	98.4	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0
≥200	92.8	96.7	98.4	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0
≥100	92.8	96.7	98.4	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0
≥0	92.8	96.7	98.4	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-82

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

607-7870
HOURS 1-1

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	58.4	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 20000	64.6	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 18000	65.2	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 16000	65.2	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 14000	66.8	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 12000	70.7	71.4	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 10000	74.7	75.7	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 9000	75.9	77.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 8000	79.8	81.1	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 7000	81.9	83.4	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 6000	82.6	84.3	84.9	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 5000	84.1	86.6	87.2	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 4500	84.7	87.1	87.8	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 4000	85.2	87.8	88.4	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 3500	85.9	88.4	89.3	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 3000	86.8	89.3	90.3	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 2500	87.3	89.9	90.9	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2000	88.0	90.7	92.0	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 1800	88.2	90.9	92.2	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1500	89.1	91.8	93.1	93.6	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1200	89.9	93.1	94.6	95.0	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1000	90.3	93.7	95.2	95.7	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 900	90.4	93.9	95.7	96.1	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 800	90.4	94.4	96.2	96.7	97.1	97.1	97.1	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 700	90.4	94.9	96.7	97.2	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 600	90.6	95.0	96.8	97.7	98.2	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 500	90.8	95.6	97.4	98.3	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	90.8	95.7	97.6	98.4	99.3	99.3	99.3	99.3	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	90.8	95.7	97.6	98.4	99.4	99.4	99.4	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	90.8	95.7	97.6	98.4	99.4	99.4	99.4	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	90.8	95.7	97.6	98.4	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	90.8	95.7	97.6	98.4	99.4	99.4	99.4	99.4	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675

MINOT AFB ND

73-82

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1977-1130

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 20000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 18000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 16000	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 14000	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 12000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 10000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 9000	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 8000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 7000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 6000	81.2	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 5000	82.4	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 4500	83.2	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 4000	84.2	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3500	85.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 3000	86.3	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 2500	88.0	89.3	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2000	90.0	91.6	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	90.8	92.3	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1500	91.9	93.7	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1200	93.3	95.3	95.6	95.7	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1000	93.6	95.8	96.0	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	94.0	96.6	97.0	97.1	97.2	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	94.1	96.7	97.2	97.3	97.4	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700	94.1	96.8	97.4	97.6	97.8	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 600	94.4	97.1	97.9	98.0	98.2	98.2	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	94.6	97.4	98.2	98.3	98.8	98.9	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	94.6	97.4	98.2	98.4	99.0	99.1	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	94.6	97.4	98.2	98.4	99.0	99.1	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.6	97.4	98.2	98.4	99.0	99.1	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.6	97.4	98.2	98.4	99.0	99.1	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.6	97.4	98.2	98.4	99.0	99.1	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-82

UUA

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-14-70

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01	≥ 0.005
NO CEILING	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 20000	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 18000	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 16000	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 14000	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 12000	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 10000	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 9000	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 8000	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 7000	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 6000	77.9	78.1	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 5000	80.6	81.0	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4500	82.2	82.7	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 4000	84.4	85.0	85.2	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3500	85.3	85.9	86.1	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 3000	87.6	88.2	88.6	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 2500	89.3	90.2	90.6	90.6	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	91.6	92.4	92.8	92.8	93.4	93.4	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	92.2	93.1	93.4	93.4	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1500	93.2	94.1	94.4	94.4	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200	94.3	95.4	95.8	95.8	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	94.8	96.2	96.6	96.6	97.4	97.4	97.4	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900	94.9	96.8	97.2	97.2	98.1	98.1	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	95.1	97.0	97.4	97.4	98.6	98.6	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	95.1	97.0	97.4	97.4	98.9	98.9	98.9	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	95.3	97.2	97.7	97.7	99.1	99.1	99.1	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	95.3	97.4	98.0	98.0	99.4	99.4	99.4	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	95.3	97.4	98.0	98.0	99.4	99.4	99.4	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	95.3	97.4	98.0	98.0	99.6	99.6	99.6	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	95.3	97.4	98.0	98.0	99.6	99.6	99.6	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	95.3	97.4	98.0	98.0	99.6	99.6	99.6	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	95.3	97.4	98.0	98.0	99.6	99.6	99.6	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-82

104

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1537-1730

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 20000	54.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 18000	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 16000	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 14000	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 12000	71.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 10000	73.6	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 9000	75.3	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 8000	77.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 7000	79.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 6000	81.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 5000	85.7	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 4500	87.3	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 4000	89.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 3500	90.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 3000	90.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 2500	91.8	94.0	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2000	92.9	95.2	95.3	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1800	93.2	95.6	95.7	95.9	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1500	93.6	96.2	96.4	96.7	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1200	94.4	97.2	97.7	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1000	94.9	97.6	98.2	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	94.9	97.8	98.2	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	94.9	97.8	98.2	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	94.9	97.8	98.3	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	94.9	98.0	98.6	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	95.2	98.3	98.9	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	95.2	98.3	98.9	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	95.2	98.3	98.9	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	95.2	98.3	98.9	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	95.2	98.3	98.9	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	95.2	98.3	98.9	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

JULY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

800-2000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 20000	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 18000	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 16000	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 14000	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 12000	73.4	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 10000	76.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 9000	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 8000	81.3	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 7000	83.4	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 6000	84.7	86.2	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 5000	87.3	89.4	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 4500	88.4	90.6	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 4000	90.2	92.6	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 3500	90.8	93.6	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 3000	91.9	94.8	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 2500	92.6	95.7	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 2000	92.9	96.1	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1800	93.1	96.3	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1500	93.1	96.6	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1200	94.0	97.4	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1000	94.1	97.8	98.2	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	94.1	98.1	98.6	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	94.1	98.1	98.6	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	94.1	98.1	98.8	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	94.1	98.1	98.8	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	94.1	98.2	99.0	99.4	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	94.1	98.2	99.0	99.4	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	94.1	98.2	99.0	99.4	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9
≥ 200	94.1	98.2	99.0	99.4	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9
≥ 100	94.1	98.2	99.0	99.4	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9
≥ 0	94.1	98.2	99.0	99.4	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675

MINOT AFB ND

STATION NAME

73-82

YEARS

100

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO - CEILING ≥ 20000	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 18000	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 16000	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 14000	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 12000	74.9	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 10000	77.3	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 9000	78.7	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 8000	80.2	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 7000	83.2	84.9	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 6000	84.7	86.7	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 5000	86.6	89.4	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 4500	87.1	90.0	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 4000	88.4	91.6	92.5	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 3500	89.0	92.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 3000	90.6	94.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 2500	91.2	95.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2000	91.6	95.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1800	91.9	96.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	92.4	96.9	97.9	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	92.7	97.1	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000	92.7	97.1	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900	93.0	97.7	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	93.0	97.7	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	93.1	97.8	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	93.1	98.0	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	93.1	98.0	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	93.1	98.0	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	93.1	98.0	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	93.1	98.0	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	93.1	98.0	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 50	93.1	98.0	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 20	93.1	98.0	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575
STATION

MINOT AFB ND
STATION NAME

73-92
YEARS

4.5
DEC.

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

4.1
DEC.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512
NO CEILING	61.4	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 20000	67.2	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 18000	67.8	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 16000	67.9	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 14000	68.8	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 12000	71.5	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 10000	75.1	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 9000	76.5	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 8000	79.1	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 7000	81.2	82.2	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 6000	82.5	83.8	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 5000	84.3	86.7	87.1	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 4500	85.8	87.7	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 4000	87.1	89.2	89.6	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 3500	87.9	90.2	90.7	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3000	89.2	91.6	92.1	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2500	90.1	92.6	93.1	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 2000	91.1	93.7	94.4	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1800	91.5	94.2	94.8	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1600	92.1	94.9	95.6	95.8	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1400	92.9	95.9	96.6	96.8	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1200	93.2	96.3	97.1	97.3	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	93.3	96.7	97.5	97.6	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 900	93.4	96.9	97.8	98.0	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800	93.5	97.0	97.9	98.2	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	93.6	97.2	98.2	98.5	98.9	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
≥ 600	93.6	97.4	98.4	98.7	99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 500	93.7	97.4	98.4	98.8	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 400	93.7	97.4	98.5	98.8	99.4	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 300	93.7	97.4	98.5	98.8	99.4	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 200	93.7	97.4	98.5	98.8	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 100	93.7	97.4	98.5	98.8	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND

73-82

101

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-0000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	73.4	74.1	74.3	74.4	74.4	74.4	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 20000	79.0	79.7	79.9	80.0	80.0	80.0	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 18000	79.6	80.2	80.4	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 16000	79.8	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 14000	80.5	81.2	81.4	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 12000	82.8	83.5	83.6	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 10000	86.1	86.9	87.1	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 9000	87.2	88.1	88.2	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 8000	89.0	89.8	90.0	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 7000	89.9	90.9	91.2	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 6000	91.4	92.7	93.0	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 5000	92.3	93.5	93.9	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 4500	93.1	94.5	94.8	94.9	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 4000	93.5	95.4	95.8	96.1	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 3500	93.9	95.8	96.2	96.6	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 3000	94.3	96.2	96.7	97.0	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500	94.7	96.9	97.3	97.6	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000	94.7	96.9	97.3	97.6	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	94.7	96.9	97.3	97.6	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	94.9	97.1	97.5	97.8	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200	95.3	97.5	98.0	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	95.6	97.8	98.3	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	95.6	97.8	98.3	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	95.6	97.8	98.3	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	95.6	97.8	98.3	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	95.7	98.0	98.4	98.7	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	95.8	98.1	98.5	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	95.8	98.1	98.5	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	95.8	98.2	98.6	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	95.8	98.2	98.6	98.9	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	95.8	98.2	98.6	98.9	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 0	95.8	98.2	98.6	98.9	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

JUL

MO.

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

330-7577

HOURLY

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING	71.0	71.5	72.7	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.4
≥ 20000	73.5	75.2	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	76.1
≥ 18000	74.2	75.9	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.9
≥ 16000	74.2	75.9	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.9
≥ 14000	74.7	76.5	77.7	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.4
≥ 12000	75.9	77.6	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.4	78.4	78.4	78.6
≥ 10000	81.2	82.9	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.7	83.7	83.7	83.9
≥ 9000	82.4	84.1	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.8	84.8	84.8	85.1
≥ 8000	84.5	86.2	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.2
≥ 7000	85.6	87.3	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.3
≥ 6000	87.5	89.5	91.7	90.0	91.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.4
≥ 5000	89.4	91.6	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.8
≥ 4500	89.7	91.9	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9	92.9	92.9	93.1
≥ 4000	90.8	93.4	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.6
≥ 3500	90.9	93.5	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.7
≥ 3000	90.9	93.5	94.3	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.8
≥ 2500	91.2	93.9	94.6	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9	95.2
≥ 2000	91.4	94.3	95.1	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.6
≥ 1800	91.5	94.5	95.3	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.8
≥ 1500	91.8	94.8	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	96.1
≥ 1200	92.7	95.9	96.8	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.3
≥ 1000	92.8	96.1	97.7	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.6
≥ 900	93.1	96.5	97.3	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	98.1
≥ 800	93.1	96.5	97.4	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	98.1
≥ 700	93.2	96.7	97.6	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.3
≥ 600	93.2	96.7	97.6	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.3
≥ 500	93.3	96.8	97.7	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.5
≥ 400	93.4	96.9	97.8	97.8	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.6
≥ 300	93.5	97.0	98.0	98.1	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	99.1
≥ 200	93.8	97.2	98.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.2	99.5
≥ 100	93.8	97.2	98.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.2	99.5
≥ 50	93.8	97.2	98.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.2	99.5
≥ 20	93.8	97.2	98.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.2	99.5
≥ 10	93.8	97.2	98.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.2	99.5
≥ 5	93.8	97.2	98.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.2	99.5
≥ 2	93.8	97.2	98.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.2	99.5
≥ 1	93.8	97.2	98.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.2	99.5

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC

FORM 1-64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675

MINOT AFB ND

73-82

144

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

633-9830

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	62.7	63.9	64.2	64.6	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.1	65.1
≥ 20000	69.0	70.4	70.8	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.6	71.6
≥ 18000	69.4	70.8	71.1	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9
≥ 16000	69.4	70.8	71.1	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9
≥ 14000	70.9	72.3	72.6	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.4
≥ 12000	73.4	74.8	75.2	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.0	76.0
≥ 10000	77.7	79.4	79.7	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5
≥ 9000	79.2	80.9	81.2	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.2	82.2
≥ 8000	82.7	84.3	84.6	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.6
≥ 7000	83.7	85.3	85.6	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.6
≥ 6000	85.3	87.0	87.4	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4
≥ 5000	86.9	88.7	89.1	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.1
≥ 4500	87.3	89.2	89.7	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.6	90.6
≥ 4000	88.4	90.3	90.8	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7	91.7
≥ 3500	88.7	90.8	91.2	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.2	92.2
≥ 3000	88.9	91.1	91.5	92.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.7	92.7
≥ 2500	89.2	91.4	91.8	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	93.0	93.0
≥ 2000	90.0	92.5	92.9	93.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.1	94.1
≥ 1800	90.2	92.7	93.1	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.3	94.3
≥ 1500	90.3	92.8	93.3	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.5	94.5
≥ 1200	90.3	93.2	94.0	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.2	95.2
≥ 1000	90.4	93.3	94.1	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.3	95.3
≥ 900	90.5	93.7	94.4	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.6	95.6
≥ 800	90.5	93.7	94.4	95.1	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.7	95.7
≥ 700	90.9	94.3	95.2	95.8	96.2	96.2	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.7	96.7
≥ 600	91.2	95.2	96.0	96.7	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.6	97.6
≥ 500	91.3	95.3	96.2	96.9	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.8	97.8
≥ 400	91.6	95.8	97.0	97.7	98.4	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.9	98.9
≥ 300	91.8	96.0	97.2	98.0	98.6	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.4	99.4
≥ 200	91.8	96.0	97.2	98.0	98.6	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.9	99.9
≥ 100	91.8	96.0	97.2	98.0	98.6	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.9	99.9
≥ 0	91.8	96.0	97.2	98.0	98.6	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1977-1177

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 20000	72.5	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 18000	73.0	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 16000	73.3	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 14000	74.5	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 12000	76.7	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 10000	81.0	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 9000	82.8	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 8000	84.5	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 7000	84.9	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 6000	85.7	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 5000	87.6	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4500	87.6	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4000	88.8	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3500	89.6	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 3000	91.4	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2500	92.2	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 2000	93.1	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1800	93.4	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500	93.8	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1200	94.5	96.8	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1000	94.9	97.4	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	95.3	97.8	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800	95.6	98.3	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	96.1	98.8	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	96.2	98.9	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	96.2	98.9	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	96.2	99.0	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.2	99.0	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.2	99.0	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.2	99.0	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.2	99.0	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675 MINOT AFB ND

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12.3-14.33

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	65.8	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 20000	71.3	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000	71.9	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 16000	72.3	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 14000	74.8	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 12000	77.8	78.3	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 10000	80.5	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 9000	82.0	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 8000	83.0	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 7000	83.9	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 6000	84.3	85.3	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 5000	87.3	88.3	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 4500	88.5	89.5	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 4000	90.1	91.3	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 3500	91.5	92.8	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 3000	93.3	94.6	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2500	94.6	96.0	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 2000	95.7	97.2	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1800	96.0	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	96.2	97.7	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200	97.0	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	97.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	97.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	97.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	97.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	97.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	97.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

444
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15-3-1770
HOURLY

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 20000	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 18000	73.2	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 16000	73.5	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 14000	75.7	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 12000	77.8	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 10000	81.8	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 9000	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 8000	86.0	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 7000	87.2	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 6000	88.5	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 5000	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 4500	92.9	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 4000	94.5	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 3500	96.7	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 3000	97.5	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 2500	98.3	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 2000	98.2	99.0	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1800	98.3	99.1	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	98.5	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	98.6	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	98.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	98.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	98.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	98.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	98.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND STATION NAME

73-82 YEARS

1944 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

18.10-2000 HOURS

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .03	≥ .01	≥ 0
NO CEILING	70.5	73.9	70.9	70.9	73.9	73.9	73.9	73.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 20000	77.9	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 18000	73.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 16000	78.8	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 14000	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 12000	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 10000	87.1	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 9000	88.1	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 8000	89.6	90.5	90.6	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 7000	91.2	92.1	92.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 6000	92.6	93.6	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 5000	94.9	96.3	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 4500	95.0	96.4	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 4000	96.1	97.7	98.7	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 3500	96.9	98.6	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 3000	97.5	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2500	97.6	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000	97.6	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800	97.6	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500	97.6	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	97.6	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	97.6	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	97.6	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	97.6	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	97.6	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	97.6	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	97.6	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.6	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.6	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.6	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.6	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.6	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-2110

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	77.2	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 20000	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 18000	82.5	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 16000	82.5	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 14000	83.6	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 12000	85.3	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 10000	89.3	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 9000	89.8	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 8000	91.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 7000	92.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 6000	93.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 5000	95.7	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 4500	95.8	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 4000	96.7	98.1	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 3500	97.1	98.5	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 3000	97.6	99.0	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2500	97.6	99.0	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2000	97.7	99.1	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1800	97.7	99.1	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1500	97.7	99.1	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	98.0	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.0	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.0	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.0	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.0	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.0	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.0	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.0	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.0	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.0	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.0	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675

MINOT AFB MD

73-82

STATION NAME

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

DATE

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	69.1	69.7	69.8	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 20000	74.7	75.4	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8
≥ 18000	75.3	76.0	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.4	76.4
≥ 16000	75.5	76.2	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.6	76.6
≥ 14000	76.8	77.6	77.7	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	78.0	78.0
≥ 12000	79.0	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2
≥ 10000	83.1	84.0	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4
≥ 9000	84.4	85.3	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8
≥ 8000	86.3	87.3	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8
≥ 7000	87.3	88.5	88.6	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9
≥ 6000	88.6	89.8	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.4
≥ 5000	90.8	92.1	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7
≥ 4500	91.2	92.7	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.2	93.2	93.2
≥ 4000	92.4	94.0	94.3	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7
≥ 3500	93.1	94.8	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.5	95.5	95.5
≥ 3000	93.8	95.5	95.8	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.3	96.3
≥ 2500	94.4	96.1	96.5	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9
≥ 2000	94.8	96.6	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4
≥ 1800	94.9	96.8	97.1	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6
≥ 1500	95.1	97.0	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8
≥ 1200	95.5	97.6	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4
≥ 1000	95.7	97.8	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.8
≥ 900	95.8	98.0	98.4	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
≥ 800	95.8	98.0	98.5	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
≥ 700	95.9	98.2	98.7	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2
≥ 600	96.0	98.3	98.8	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4
≥ 500	96.0	98.4	98.9	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5
≥ 400	96.1	98.5	99.0	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.7
≥ 300	96.1	98.5	99.1	99.2	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 200	96.2	98.6	99.1	99.3	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 100	96.2	98.6	99.1	99.3	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	100.0
≥ 0	96.2	98.6	99.1	99.3	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7438

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675

MINOT AFB ND

73-87

AMS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

011-0000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	71.6	72.8	73.0	73.2	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.7
≥ 20000	76.3	77.5	77.7	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.4
≥ 18000	76.3	77.5	77.7	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.4
≥ 16000	76.3	77.5	77.7	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.4
≥ 14000	77.3	78.5	78.7	78.9	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.4
≥ 12000	79.6	80.8	81.0	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.6
≥ 10000	84.2	85.4	85.6	85.8	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.3
≥ 9000	84.7	85.9	86.1	86.3	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	87.0
≥ 8000	86.9	88.2	88.4	88.6	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.4
≥ 7000	88.6	89.9	90.1	90.3	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.1
≥ 6000	89.7	91.3	91.6	91.8	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.6
≥ 5000	91.4	93.0	93.4	93.7	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.4
≥ 4500	91.6	93.2	93.7	93.9	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.6
≥ 4000	92.4	94.3	94.7	94.9	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.7
≥ 3500	92.6	94.6	95.1	95.3	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.0
≥ 3000	92.6	94.6	95.1	95.3	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.0
≥ 2500	93.2	95.5	95.9	96.1	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.9
≥ 2000	94.0	96.2	96.8	97.0	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.7
≥ 1800	94.2	96.5	97.0	97.2	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	98.0
≥ 1500	94.4	96.7	97.2	97.4	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.2
≥ 1200	94.9	97.2	97.7	98.0	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.7
≥ 1000	95.1	97.4	98.1	98.3	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0
≥ 900	95.1	97.4	98.1	98.3	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0
≥ 800	95.2	97.5	98.2	98.4	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1
≥ 700	95.2	97.6	98.3	98.5	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2
≥ 600	95.4	97.8	98.5	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.5
≥ 500	95.4	97.8	98.5	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.5
≥ 400	95.6	98.1	98.7	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
≥ 300	95.6	98.1	98.7	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
≥ 200	95.6	98.1	98.7	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
≥ 100	95.6	98.1	98.7	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
≥ 50	95.6	98.1	98.7	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675
STATION

MINOT AFB ND

STATION NAME

73-82

YEAR

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

300-5500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	68.8	70.2	70.4	70.8	71.0	71.0	71.0	71.1	71.1	71.2	71.2	71.2	71.2	71.4	71.4	71.4
≥ 20000	72.8	74.3	74.5	74.8	75.1	75.1	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.5	75.5	75.5
≥ 18000	72.8	74.3	74.5	74.8	75.1	75.1	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.5	75.5	75.5
≥ 16000	72.9	74.4	74.6	74.9	75.2	75.2	75.2	75.3	75.3	75.4	75.4	75.4	75.4	75.6	75.6	75.6
≥ 14000	73.2	74.7	74.9	75.3	75.5	75.5	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.9	75.9	75.9
≥ 12000	75.2	77.0	77.2	77.5	77.7	77.7	77.7	77.8	77.8	78.0	78.0	78.0	78.0	78.2	78.2	78.2
≥ 10000	79.8	81.6	81.8	82.2	82.4	82.4	82.4	82.5	82.5	82.6	82.6	82.6	82.6	82.8	82.8	82.8
≥ 9000	81.2	83.0	83.2	83.5	83.8	83.8	83.8	83.9	83.9	84.0	84.0	84.0	84.0	84.2	84.2	84.2
≥ 8000	82.9	84.9	85.2	85.5	85.8	85.8	85.9	86.0	86.0	86.1	86.1	86.1	86.1	86.3	86.3	86.3
≥ 7000	84.8	87.0	87.2	87.5	87.8	87.8	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.4	88.4	88.4
≥ 6000	85.8	88.4	88.6	89.0	89.4	89.4	89.5	89.6	89.6	89.7	89.7	89.7	89.7	89.9	89.9	89.9
≥ 5000	87.1	90.0	90.2	90.6	91.0	91.0	91.2	91.3	91.3	91.4	91.4	91.4	91.4	91.6	91.6	91.6
≥ 4500	87.2	90.1	90.3	90.9	91.2	91.2	91.4	91.5	91.5	91.6	91.6	91.6	91.6	91.8	91.8	91.8
≥ 4000	88.7	91.8	92.2	92.7	93.0	93.0	93.2	93.3	93.3	93.4	93.4	93.4	93.4	93.7	93.7	93.7
≥ 3500	89.2	92.4	92.7	93.2	93.5	93.5	93.8	93.9	93.9	94.0	94.0	94.0	94.0	94.2	94.2	94.2
≥ 3000	89.6	92.7	93.0	93.5	94.0	94.0	94.2	94.3	94.3	94.4	94.4	94.4	94.4	94.6	94.6	94.6
≥ 2500	90.0	93.1	93.5	94.1	94.5	94.5	94.7	94.8	94.8	94.9	94.9	94.9	94.9	95.2	95.2	95.2
≥ 2000	90.2	93.3	93.6	94.3	94.7	94.7	94.9	95.1	95.1	95.2	95.2	95.2	95.2	95.4	95.4	95.4
≥ 1800	90.2	93.3	93.8	94.3	94.7	94.7	94.9	95.1	95.1	95.2	95.2	95.2	95.2	95.4	95.4	95.4
≥ 1500	90.2	93.4	94.0	94.5	94.9	94.9	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.6	95.6	95.6
≥ 1200	90.6	94.1	94.6	95.2	95.6	95.6	95.8	95.9	95.9	96.1	96.1	96.1	96.1	96.3	96.3	96.3
≥ 1000	90.9	94.5	95.1	95.6	96.0	96.0	96.2	96.3	96.3	96.6	96.6	96.6	96.6	96.8	96.8	96.8
≥ 900	91.0	94.6	95.3	95.8	96.2	96.2	96.5	96.6	96.6	96.8	96.8	96.8	96.8	97.0	97.0	97.0
≥ 800	91.0	94.7	95.4	95.9	96.3	96.3	96.6	96.7	96.7	96.9	96.9	96.9	96.9	97.1	97.1	97.1
≥ 700	91.2	94.9	95.6	96.1	96.6	96.6	96.8	96.9	96.9	97.1	97.1	97.1	97.1	97.3	97.3	97.3
≥ 600	91.3	95.2	95.8	96.3	96.9	96.9	97.1	97.2	97.2	97.4	97.4	97.4	97.4	97.6	97.6	97.6
≥ 500	91.3	95.8	96.5	97.0	97.5	97.5	97.7	97.8	97.8	98.1	98.1	98.1	98.1	98.3	98.3	98.3
≥ 400	91.4	96.1	96.8	97.3	97.8	97.8	98.1	98.2	98.2	98.4	98.4	98.4	98.4	98.6	98.6	98.6
≥ 300	91.5	96.2	96.9	97.4	98.0	98.0	98.2	98.3	98.3	98.5	98.5	98.5	98.5	98.7	98.7	98.8
≥ 200	91.6	96.6	97.2	97.7	98.3	98.3	98.5	98.7	98.7	98.9	98.9	98.9	98.9	99.1	99.1	99.1
≥ 100	91.6	96.6	97.2	97.7	98.3	98.3	98.5	98.7	98.7	99.1	99.2	99.4	99.4	99.6	99.7	99.7
≥ 0	91.6	96.6	97.2	97.7	98.3	98.3	98.5	98.7	98.7	99.1	99.2	99.4	99.4	99.6	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-87

AVC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

600-7800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	57.7	63.8	67.9	61.4	62.2	62.3	62.5	62.6	62.7	62.7	62.8	62.8	62.9	63.0	63.7	63.9
≥ 20000	61.7	64.8	64.9	65.5	66.2	66.3	66.6	66.7	66.8	66.9	67.0	67.0	67.1	67.2	68.1	68.3
≥ 18000	61.7	64.8	64.9	65.5	66.2	66.3	66.6	66.7	66.8	66.9	67.0	67.0	67.1	67.2	68.1	68.3
≥ 16000	62.2	65.3	65.4	65.9	66.7	66.8	67.0	67.1	67.2	67.3	67.4	67.4	67.5	67.6	68.5	68.7
≥ 14000	63.0	66.1	66.2	66.8	67.5	67.6	67.8	68.0	68.1	68.2	68.3	68.3	68.4	68.5	69.4	69.5
≥ 12000	65.1	68.2	68.3	68.8	69.6	69.7	69.9	70.0	70.1	70.2	70.3	70.3	70.4	70.5	71.4	71.6
≥ 10000	69.4	72.9	73.1	73.7	74.4	74.5	74.8	74.9	75.1	75.3	75.4	75.4	75.6	75.7	76.6	76.8
≥ 9000	71.1	74.7	74.9	75.5	76.2	76.3	76.7	76.8	76.9	77.1	77.2	77.2	77.4	77.5	78.4	78.6
≥ 8000	74.2	77.8	78.3	78.8	79.7	79.8	80.1	80.2	80.3	80.5	80.6	80.6	80.9	81.0	81.8	82.0
≥ 7000	77.1	80.5	81.2	81.7	82.6	82.7	83.1	83.2	83.3	83.5	83.7	83.7	83.9	84.0	84.8	85.1
≥ 6000	78.1	82.3	82.7	83.2	84.1	84.2	84.6	84.7	84.8	85.1	85.2	85.2	85.4	85.5	86.3	86.6
≥ 5000	80.2	84.5	84.9	85.5	86.5	86.6	87.0	87.1	87.2	87.4	87.5	87.5	87.7	87.8	88.7	88.9
≥ 4500	80.2	84.6	85.1	85.6	86.6	86.7	87.1	87.2	87.3	87.5	87.6	87.6	87.8	88.0	88.8	89.0
≥ 4000	81.1	85.9	86.3	86.9	88.1	88.2	88.6	88.7	88.8	89.1	89.2	89.2	89.5	89.6	90.4	90.6
≥ 3500	81.6	86.7	87.1	87.6	88.9	89.0	89.5	89.6	89.7	90.0	90.1	90.1	90.3	90.4	91.3	91.5
≥ 3000	82.5	87.6	88.1	88.6	89.9	90.0	90.4	90.5	90.6	91.0	91.1	91.1	91.3	91.4	92.3	92.5
≥ 2500	82.7	88.1	88.7	89.2	90.5	90.6	91.1	91.2	91.3	91.6	91.7	91.7	91.9	92.0	92.9	93.1
≥ 2000	82.8	88.2	88.9	89.5	90.8	90.9	91.3	91.4	91.5	91.8	91.9	91.9	92.2	92.3	93.1	93.3
≥ 1800	82.9	88.7	89.6	90.1	91.4	91.5	91.9	92.0	92.2	92.5	92.6	92.6	92.8	92.9	93.8	94.0
≥ 1600	83.2	89.0	89.9	90.4	91.7	91.8	92.3	92.4	92.5	92.8	92.9	92.9	93.1	93.2	94.1	94.3
≥ 1400	83.7	89.7	90.5	91.1	92.4	92.5	92.9	93.0	93.1	93.4	93.5	93.5	93.8	93.9	94.7	94.9
≥ 1200	83.8	89.8	90.8	91.4	92.8	93.0	93.4	93.5	93.7	94.0	94.1	94.1	94.3	94.4	95.3	95.5
≥ 1000	83.8	90.0	91.0	91.6	93.0	93.2	93.7	93.8	93.9	94.2	94.3	94.3	94.5	94.6	95.5	95.7
≥ 900	83.8	90.0	91.0	91.7	93.1	93.3	93.8	93.9	94.0	94.3	94.4	94.4	94.6	94.7	95.6	95.8
≥ 800	83.8	90.2	91.3	92.0	93.7	93.9	94.3	94.4	94.5	94.8	94.9	94.9	95.2	95.3	96.1	96.3
≥ 700	83.8	90.5	91.6	92.4	94.0	94.2	94.6	94.7	94.8	95.2	95.3	95.3	95.5	95.6	96.5	96.7
≥ 600	83.9	91.0	92.2	92.9	94.5	94.7	95.2	95.3	95.5	95.8	95.9	95.9	96.1	96.2	97.1	97.3
≥ 500	83.9	91.3	92.6	93.4	95.3	95.5	96.0	96.2	96.5	97.0	97.1	97.1	97.3	97.4	98.3	98.5
≥ 400	83.9	91.4	92.7	93.5	95.4	95.6	96.1	96.6	96.9	97.4	97.5	97.5	97.7	97.8	98.7	99.0
≥ 300	83.9	91.4	92.7	93.5	95.4	95.6	96.1	96.6	96.9	97.5	97.6	97.6	97.8	98.0	98.8	99.1
≥ 200	83.9	91.4	92.7	93.5	95.4	95.6	96.1	96.6	96.9	97.5	97.6	97.6	97.8	98.1	99.0	99.8
≥ 100	83.9	91.4	92.7	93.7	95.5	95.7	96.2	96.7	97.0	97.6	97.7	97.7	98.1	98.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB MO

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

999-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	57.9	59.1	59.2	59.2	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥20000	63.4	64.8	64.9	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
18000	63.8	65.2	65.3	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
16000	63.2	65.3	65.4	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
14000	65.3	66.4	66.5	66.5	66.8	66.8	66.8	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1
12000	68.4	69.9	70.0	70.0	70.5	70.5	70.5	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7
10000	73.1	74.7	74.9	74.9	75.5	75.5	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7
9000	75.2	77.0	77.1	77.2	77.7	77.7	77.7	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9
8000	76.5	78.9	79.0	79.1	79.7	79.7	79.7	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9
7000	78.4	81.1	81.3	81.6	82.1	82.1	82.1	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
6000	79.3	82.5	82.9	83.2	83.7	83.7	83.7	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
5000	81.1	84.3	84.8	85.1	85.7	85.7	85.7	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9
4500	81.1	84.4	84.9	85.3	85.8	85.8	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
4000	82.7	85.4	85.9	86.2	86.8	86.8	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0
3500	82.6	85.9	86.4	86.8	87.3	87.3	87.3	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
3000	83.4	86.8	87.3	87.7	88.3	88.3	88.3	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5
2500	83.9	87.2	87.7	88.2	88.8	88.8	88.8	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
2000	85.3	88.8	89.5	89.9	90.5	90.5	90.5	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7
1900	85.4	89.1	89.8	90.2	90.9	90.9	90.9	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
1800	86.5	90.4	91.3	91.7	92.4	92.4	92.4	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
1700	87.5	92.1	93.1	93.5	94.3	94.3	94.3	94.4	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6
1600	88.4	93.8	94.7	95.2	95.9	95.9	95.9	96.0	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2
1500	88.5	94.0	94.9	95.4	96.3	96.3	96.3	96.4	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7
1400	88.5	94.0	94.9	95.4	96.4	96.4	96.4	96.7	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9
1300	88.5	94.3	95.3	95.8	97.1	97.1	97.1	97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5
1200	88.5	94.7	95.7	96.3	97.6	97.6	97.6	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2
1100	88.5	94.9	95.9	96.6	98.1	98.1	98.2	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8
1000	88.5	94.9	96.0	96.7	98.3	98.3	98.5	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1
900	88.5	94.9	96.1	96.8	98.5	98.5	98.7	99.1	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5
800	88.5	94.9	96.1	96.8	98.6	98.6	98.8	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7
700	88.5	94.9	96.1	96.8	98.6	98.6	98.8	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7
600	88.5	94.9	96.1	96.8	98.6	98.6	98.8	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7
500	88.5	94.9	96.1	96.8	98.6	98.6	98.8	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7
400	88.5	94.9	96.1	96.8	98.6	98.6	98.8	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7
300	88.5	94.9	96.1	96.8	98.6	98.6	98.8	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7
200	88.5	94.9	96.1	96.8	98.6	98.6	98.8	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7
100	88.5	94.9	96.1	96.8	98.6	98.6	98.8	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 329

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINCI AFB ND

73-87

AMC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-0-1400

CEILING FEET	VISIBILITY, STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	54.1	59.4	59.5	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
18000	54.2	65.3	65.4	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
16000	65.2	66.5	66.6	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
14000	65.6	66.9	67.0	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
12000	66.7	68.2	68.3	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
10000	69.6	70.9	71.0	71.2	71.4	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
8000	73.1	74.4	74.6	74.8	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
6000	74.9	76.3	76.5	76.6	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
4000	77.6	79.4	79.6	79.9	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
2000	80.3	82.2	82.4	82.7	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
1000	81.3	83.5	83.8	84.1	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
500	83.7	86.3	86.6	87.2	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
250	85.3	88.0	88.4	88.6	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
100	87.2	90.0	90.5	91.0	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
50	88.5	91.4	91.9	92.4	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
25	89.5	92.7	93.2	93.7	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
10	90.2	93.4	94.1	94.5	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
5	91.2	94.5	95.4	95.8	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
2	91.9	95.4	96.3	97.0	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
1	92.5	96.1	97.1	97.8	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
0.5	92.5	96.2	97.3	98.1	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
0.25	92.5	96.2	97.3	98.1	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
0.1	92.6	96.3	97.4	98.2	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
0.05	92.7	96.5	97.8	98.6	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0.025	92.7	96.5	97.8	98.6	99.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.01	92.7	96.5	97.8	98.6	99.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.005	92.7	96.5	97.8	98.6	99.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.0025	92.7	96.5	97.8	98.6	99.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.001	92.7	96.5	97.8	98.6	99.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 230

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

747675 MINOT AFB ND

77-62

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-1700

ELEVATION FEET	VISIBILITY - STATUTE MILES															
	20	20	21	24	25	22	22	21	21	21	21	21	21	21	21	21
0-100	58.7	59.8	61.7	61.3	61.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
100-200	68.7	69.9	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
200-300	69.5	70.5	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
300-400	69.7	70.9	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
400-500	71.5	71.8	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
500-600	72.8	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
600-700	77.6	79.1	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
700-800	75.3	79.7	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
800-900	81.9	83.4	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
900-1000	83.3	84.8	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
1000-1100	84.6	86.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
1100-1200	85.3	88.8	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
1200-1300	88.1	90.2	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
1300-1400	91.4	92.9	93.2	93.2	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
1400-1500	91.7	94.2	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
1500-1600	92.6	95.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
1600-1700	93.3	95.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
1700-1800	94.1	97.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
1800-1900	94.2	97.2	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
1900-2000	95.1	98.1	99.2	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2000-2100	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2100-2200	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2200-2300	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2300-2400	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2400-2500	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2500-2600	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2600-2700	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2700-2800	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2800-2900	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2900-3000	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3000-3100	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3100-3200	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3200-3300	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3300-3400	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3400-3500	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3500-3600	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3600-3700	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3700-3800	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3800-3900	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3900-4000	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
4000-4100	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
4100-4200	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
4200-4300	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
4300-4400	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
4400-4500	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
4500-4600	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
4600-4700	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
4700-4800	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
4800-4900	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
4900-5000	95.1	98.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-62

AMC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-0000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO. CEILING 20000	64.7	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
20000	71.2	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
20000	71.5	72.5	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
20000	71.5	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
20000	73.1	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
20000	75.7	76.6	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
20000	82.6	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
20000	82.0	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
20000	86.9	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
20000	88.8	90.6	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
20000	90.3	92.3	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
20000	92.5	94.8	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
20000	92.9	95.3	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
20000	93.4	96.0	96.3	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
20000	94.3	97.3	97.6	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
20000	94.6	97.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
20000	95.2	98.2	98.5	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
20000	95.5	98.5	98.8	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
20000	95.6	98.6	98.9	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
20000	95.9	98.9	99.2	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
20000	96.3	99.1	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
20000	96.7	99.1	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
20000	96.8	99.1	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
20000	96.8	99.1	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
20000	96.8	99.2	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
20000	96.8	99.2	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
20000	96.8	99.2	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
20000	96.8	99.2	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
20000	96.8	99.2	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
20000	96.8	99.2	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 472

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND

73-42

Aug

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

122-2332

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO CEILING	71.5	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.4
≥20000	76.8	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.7
≥18000	77.0	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.9
≥16000	77.0	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.9
≥14000	78.3	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.9
≥12000	82.3	82.4	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.9	82.9	83.1
≥10000	82.8	84.9	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.6
≥9000	83.9	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.7
≥8000	86.0	88.2	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.8
≥7000	88.5	90.8	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.3	91.3	91.4
≥6000	91.0	92.3	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.8	92.8	92.9
≥5000	91.9	94.6	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.5
≥4500	92.5	95.2	95.5	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.1
≥4000	93.4	96.1	96.5	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.2
≥3500	93.4	96.1	96.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.4
≥3000	93.8	96.5	96.9	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.7
≥2500	94.4	97.1	97.6	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.5
≥2000	94.3	97.5	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	99.0
≥1800	94.9	97.6	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.1
≥1600	94.9	97.6	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.1
≥1400	94.9	97.6	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.1
≥1200	95.2	97.8	98.5	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.3
≥1000	95.2	97.8	98.5	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.3
≥900	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥800	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥700	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥600	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥500	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥450	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥400	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥350	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥300	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥250	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥200	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥150	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥100	95.3	98.0	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.5	≥0.3	≥0.2	≥0.1	≥0.05	≥0.01
20000	63.6	65.1	65.3	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.9	66.0
18000	69.4	70.9	71.1	71.3	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.7	71.8	71.9
16000	69.7	71.3	71.5	71.6	71.9	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.1	72.2	72.2
14000	69.9	71.4	71.6	71.6	72.0	72.0	72.1	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.3	72.4
12000	70.9	72.4	72.6	72.8	73.0	73.0	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.4	73.4
10000	73.3	75.0	75.2	75.4	75.6	75.6	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.9	76.0	76.0
8000	77.6	79.4	79.7	79.9	80.2	80.2	80.2	80.3	80.3	80.4	80.4	80.4	80.4	80.5	80.6	80.6
6000	76.9	80.8	81.1	81.3	81.6	81.6	81.6	81.7	81.7	81.8	81.8	81.8	81.8	81.9	82.0	82.0
4000	81.6	83.7	84.0	84.2	84.6	84.6	84.6	84.7	84.7	84.8	84.8	84.8	84.8	84.9	85.0	85.0
2000	83.7	85.9	86.2	86.5	86.8	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.1	87.2	87.3
1000	84.7	87.3	87.7	88.0	88.3	88.3	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.6	88.7	88.8
500	86.8	89.6	90.0	90.3	90.6	90.6	90.7	90.8	90.8	90.9	90.9	90.9	90.9	91.0	91.1	91.1
250	87.1	89.9	90.4	90.7	91.0	91.0	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.4	91.5	91.5
150	86.3	91.3	91.8	92.1	92.5	92.5	92.6	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.9	93.0
100	89.1	92.1	92.6	93.0	93.4	93.4	93.5	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.8	93.9
75	89.7	92.8	93.3	93.6	94.1	94.1	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.4	94.5	94.6
50	90.3	93.5	94.0	94.3	94.8	94.8	94.9	95.0	95.0	95.1	95.1	95.1	95.1	95.2	95.3	95.3
25	90.8	94.1	94.7	95.1	95.6	95.6	95.7	95.7	95.9	95.8	95.8	95.8	95.8	95.9	96.0	96.1
15	91.1	94.3	94.9	95.3	95.8	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.1	96.2	96.3
10	91.4	94.8	95.5	95.9	96.4	96.4	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.7	96.8	96.9
5	91.8	95.4	96.2	96.5	97.1	97.1	97.2	97.2	97.2	97.3	97.4	97.4	97.4	97.4	97.5	97.6
2	92.1	95.8	96.6	97.0	97.6	97.6	97.7	97.8	97.8	97.9	97.9	97.9	97.9	98.0	98.1	98.2
1	92.1	95.9	96.7	97.1	97.7	97.7	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.1	98.2	98.3
0.5	92.1	96.0	96.8	97.2	97.8	97.8	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.2	98.3	98.4
0.3	92.2	96.1	96.9	97.3	98.0	98.0	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.4	98.5	98.6
0.2	92.2	96.3	97.1	97.6	98.2	98.3	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.8	98.9
0.1	92.3	96.4	97.3	97.7	98.5	98.5	98.7	98.8	98.8	98.9	98.9	98.9	98.9	99.0	99.1	99.2
0.05	92.3	96.5	97.4	97.9	98.7	98.7	98.9	99.0	99.0	99.2	99.2	99.2	99.2	99.3	99.4	99.5
0.01	92.3	96.6	97.5	97.9	98.7	98.8	98.8	98.9	99.1	99.1	99.3	99.3	99.3	99.4	99.5	99.6
0.005	92.3	96.6	97.5	98.0	98.8	98.8	98.8	99.0	99.2	99.2	99.4	99.5	99.5	99.6	99.7	99.9
0.001	92.3	96.6	97.5	98.0	98.8	98.8	98.8	99.0	99.2	99.2	99.4	99.5	99.5	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB NO

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

133-0400

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	20	21	24	21	22	22	21	21	21	21	21	21	21	21	21
1000	66.3	66.6	66.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
900	68.9	69.1	69.1	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
800	69.3	69.2	69.2	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
700	69.2	69.2	69.2	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
600	69.9	70.1	70.1	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
500	72.9	73.1	73.1	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
400	75.2	76.4	76.4	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
300	76.1	76.3	76.3	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
200	80.1	80.3	80.3	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
100	81.7	82.1	82.1	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
000	84.1	84.8	84.8	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
5000	85.6	86.6	86.6	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
4500	85.7	86.7	86.7	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
4000	86.6	87.7	87.7	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
3500	87.3	88.8	88.8	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
3000	88.7	89.7	89.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
2500	88.9	90.8	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
2000	87.6	91.6	91.6	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
1500	89.9	91.9	91.9	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
1000	90.8	92.8	92.8	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
500	91.2	93.4	93.7	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
000	91.6	93.8	94.1	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
5000	91.9	94.1	94.3	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
4500	92.0	94.4	94.8	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
4000	92.2	94.8	95.4	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
3500	92.2	94.9	95.7	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
3000	92.6	95.3	96.1	96.7	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
2500	93.0	95.9	96.8	97.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
2000	93.3	96.0	96.9	97.4	98.4	98.6	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1500	93.0	96.0	97.0	97.6	98.8	98.9	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1000	93.0	96.0	97.0	97.6	98.8	98.9	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
500	93.0	96.0	97.0	97.6	98.8	98.9	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-87

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

337-2522

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	64.4	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.2
≥ 20000	66.9	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.7
≥ 18000	67.3	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	68.1
≥ 16000	67.3	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	68.1
≥ 14000	67.6	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.3
≥ 12000	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.6
≥ 10000	73.7	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.4
≥ 9000	76.0	76.4	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.9
≥ 8000	78.3	78.4	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.9
≥ 7000	79.1	79.6	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.2
≥ 6000	81.7	81.4	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	82.1
≥ 5000	83.0	83.9	84.0	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.6
≥ 4500	83.1	84.1	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.8
≥ 4000	83.9	85.3	85.4	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	86.0
≥ 3500	84.4	86.3	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	87.0
≥ 3000	85.2	87.3	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.0
≥ 2500	85.3	87.4	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	88.1
≥ 2000	85.8	87.9	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.6
≥ 1800	86.1	88.2	88.3	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.9
≥ 1500	87.0	89.1	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.8
≥ 1200	88.4	90.8	91.0	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.9
≥ 1000	88.8	91.1	91.3	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	92.1
≥ 900	89.2	91.6	91.9	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.7
≥ 800	89.6	91.9	92.2	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.0
≥ 700	89.7	92.2	92.7	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.4
≥ 600	90.3	93.1	93.8	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.6
≥ 500	91.0	93.8	94.9	95.3	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.1
≥ 400	91.2	94.2	95.3	95.8	96.1	96.3	96.6	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.3
≥ 300	91.3	94.7	95.9	96.4	97.2	97.4	98.1	98.4	98.4	98.7	98.7	98.7	98.7	98.8	98.8	99.1
≥ 200	91.3	94.7	95.9	96.4	97.3	97.7	98.3	98.8	98.8	99.0	99.0	99.0	99.0	99.2	99.2	99.6
≥ 100	91.3	94.7	95.9	96.4	97.3	97.7	98.4	98.9	98.9	99.1	99.1	99.1	99.1	99.3	99.3	99.6
≥ 50	91.3	94.7	95.9	96.4	97.3	97.7	98.4	98.9	98.9	99.1	99.1	99.1	99.1	99.3	99.3	99.6

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND

73-32

S&P

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

633-5433

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	57.3	59.1	59.6	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
18000	59.9	61.3	61.8	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
16000	60.3	61.8	62.2	62.4	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
14000	61.0	62.4	62.9	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
12000	61.9	63.3	63.8	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
10000	63.7	65.1	65.6	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
8000	66.8	68.3	68.9	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
6000	67.4	69.0	69.6	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
4000	70.8	72.4	73.0	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.6	73.6	73.8	73.9
2000	72.6	74.4	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.6	75.6	75.8	75.9
1000	73.7	75.6	76.3	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9	77.1	77.2
500	75.7	77.8	78.6	78.8	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.1	79.3	79.4
200	76.6	78.7	79.4	79.7	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80.2	80.3
100	77.2	79.4	80.2	80.4	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.8	80.8	81.0	81.1
50	78.3	80.6	81.3	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	82.1	82.2
20	79.1	81.7	82.4	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.2	83.3
10	79.9	82.7	83.4	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.0	84.0	84.2	84.3
5	80.4	83.6	84.3	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9	84.9	85.1	85.2
2	81.0	84.2	85.0	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.6	85.6	85.8	85.9
1	81.7	85.0	85.8	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.6	86.7
0.5	83.0	86.8	87.7	87.9	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.7	88.8
0.2	83.6	88.0	89.0	89.2	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.8	89.8	90.0	90.1
0.1	84.0	88.4	89.4	89.7	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.4	90.5
0.05	84.4	89.1	90.2	90.4	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.2	91.3
0.02	85.0	89.7	90.8	91.1	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.8	92.0	92.1
0.01	85.4	90.2	91.4	92.0	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	93.0	93.0	93.3	93.4
0.005	86.1	91.0	92.4	93.3	94.4	94.6	94.8	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.2	95.3
0.002	86.6	91.7	93.1	94.0	95.1	95.3	95.9	96.1	96.4	96.6	96.7	96.7	96.9	96.9	97.1	97.3
0.001	86.6	91.8	93.3	94.3	95.6	95.9	96.6	97.0	97.4	97.7	97.8	97.8	98.0	98.0	98.2	98.6
0.0005	86.6	91.8	93.4	94.4	95.7	96.1	97.0	97.6	98.0	98.2	98.3	98.3	98.6	98.6	98.8	99.0
0.0002	86.6	91.8	93.4	94.4	95.7	96.1	97.0	97.6	98.0	98.2	98.3	98.3	98.6	98.6	98.8	99.0

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

937-1122

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
≥20000	58.9	59.8	59.9	60.0	60.1	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.4
≥18000	62.6	63.6	63.7	63.8	63.9	64.0	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.2
≥16000	62.9	63.9	64.0	64.1	64.2	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.6
≥14000	63.6	64.6	64.7	64.8	64.9	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.2
≥12000	64.1	65.1	65.2	65.3	65.4	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.8
≥10000	65.7	66.9	67.0	67.1	67.2	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.6
≥8000	69.5	71.7	71.8	71.9	72.0	72.1	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.3
≥6000	70.6	71.7	71.8	71.9	72.1	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.4
≥4000	72.4	74.0	74.1	74.2	74.4	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.8
≥2000	73.4	75.1	75.2	75.3	75.6	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.9
≥1000	74.7	76.4	76.6	76.7	76.9	77.0	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.2
≥800	76.2	77.9	78.1	78.2	78.4	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.8
≥600	76.3	78.2	78.4	78.6	78.8	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.1
≥400	77.6	79.4	79.7	79.8	80.0	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.3
≥200	78.6	80.6	80.8	80.9	81.1	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.4
≥100	79.8	81.8	82.0	82.1	82.3	82.4	82.4	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.7
≥50	80.8	82.9	83.1	83.2	83.4	83.6	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.8
≥25	82.1	84.6	84.9	85.1	85.3	85.4	85.4	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.7
≥10	82.4	85.0	85.3	85.6	85.8	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.1
≥5	83.9	86.8	87.1	87.4	87.7	87.8	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	88.0
≥2	85.6	89.3	89.7	90.1	90.4	90.6	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.8
≥1	86.1	90.4	90.9	91.4	91.9	92.0	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.2
≥0.5	86.7	91.7	92.1	92.7	93.1	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.4
≥0.25	87.2	92.4	92.9	93.6	94.0	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.3
≥0.1	87.3	92.9	93.7	94.3	94.8	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.1
≥0.05	87.7	93.2	94.1	94.8	95.6	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.9
≥0.025	87.8	93.4	94.4	95.4	96.6	96.7	96.8	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.1
≥0.01	88.0	94.0	95.0	96.2	97.6	97.8	98.0	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.3
≥0.005	88.0	94.1	95.2	96.4	97.9	98.3	98.8	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.2
≥0.0025	88.0	94.1	95.2	96.6	98.0	98.4	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1
≥0.001	88.0	94.1	95.2	96.6	98.0	98.4	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675 MINOT AFB ND 73-32 YEAR SEP 12-10-1400

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	59.3	58.8	58.8	58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 20000	63.2	63.9	63.9	64.0	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 18000	63.8	64.4	64.4	64.6	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 16000	63.9	64.6	64.6	64.7	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 14000	64.3	64.7	64.7	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 12000	66.1	67.0	67.0	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 10000	68.3	69.1	69.1	69.2	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 9000	69.1	70.2	70.2	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 8000	70.4	71.7	71.7	71.8	71.8	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 7000	71.6	73.0	73.0	73.1	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 6000	72.1	73.6	73.6	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 5000	74.0	75.4	75.4	75.6	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 4500	75.0	76.6	76.6	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4000	77.3	78.9	78.9	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3500	78.9	81.0	81.0	81.1	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 3000	82.2	82.2	82.2	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2500	83.6	86.1	86.1	86.2	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000	86.0	88.8	88.8	88.9	89.2	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800	86.8	89.7	89.7	89.8	90.2	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1600	88.0	91.2	91.2	91.3	91.8	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1400	89.8	94.0	94.1	94.2	94.7	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1200	90.3	94.8	95.0	95.2	96.0	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1000	90.9	95.3	95.6	95.8	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 900	91.1	95.8	96.0	96.2	97.1	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	91.2	96.1	96.3	96.6	97.4	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 700	91.6	96.4	96.8	97.1	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	91.8	96.7	97.1	97.4	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	91.8	96.7	97.1	97.6	98.8	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	91.8	96.7	97.1	97.6	98.8	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	91.8	96.7	97.1	97.6	98.8	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	91.8	96.7	97.1	97.6	98.8	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	91.8	96.7	97.1	97.6	98.8	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5-2-7200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.01	≥0
NO CEILING	58.7	59.9	61.0	62.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000	53.4	64.7	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 18000	64.7	65.2	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 16000	64.1	65.3	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 14000	65.0	66.2	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 12000	66.8	68.0	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 10000	69.6	73.8	73.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 8000	70.6	71.8	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 6000	72.6	74.6	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 4000	73.6	75.6	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 3000	74.4	76.6	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 2000	76.2	78.3	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1500	77.2	79.3	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 1000	79.8	82.2	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 800	81.8	84.4	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 600	83.8	86.7	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 400	87.6	90.8	91.1	91.3	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 200	88.3	91.9	92.3	92.7	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 100	89.6	93.3	93.8	94.2	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 50	90.0	94.6	95.0	95.7	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 20	90.6	95.2	95.8	96.4	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 10	90.7	95.6	96.1	96.8	97.1	97.1	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6
≥ 5	90.7	95.6	96.1	96.8	97.1	97.1	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6
≥ 3	90.7	95.7	96.2	96.9	97.2	97.2	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2	90.9	96.1	96.7	97.3	97.7	97.7	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1	91.1	96.6	97.2	97.9	98.6	98.6	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 0.5	91.2	96.7	97.3	98.0	98.9	98.9	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0.25	91.2	96.7	97.4	98.1	99.1	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0.1	91.2	96.7	97.4	98.1	99.1	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0.05	91.2	96.7	97.4	98.1	99.1	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0.01	91.2	96.7	97.4	98.1	99.1	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	91.2	96.7	97.4	98.1	99.1	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB MD

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

13-2-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	62.3	62.9	63.1	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 20000	68.7	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 18000	69.8	69.4	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 16000	69.9	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 14000	69.8	70.4	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 12000	71.8	72.4	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 10000	73.9	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 9000	75.1	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 8000	77.3	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 7000	76.8	80.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 6000	79.9	81.3	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 5000	82.4	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4500	83.3	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 4000	85.8	87.3	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 3500	87.1	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 3000	88.6	90.3	90.4	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2500	90.1	92.1	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 2000	90.7	92.9	93.3	93.4	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800	91.1	93.4	93.9	94.0	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1600	91.3	93.6	94.3	94.4	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1400	91.7	94.4	95.0	95.2	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1200	91.9	94.8	95.3	95.6	96.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	92.1	95.0	95.7	95.9	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900	92.3	95.2	95.9	96.1	97.0	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	92.8	95.7	96.3	96.8	97.8	97.8	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700	92.7	95.8	96.7	97.3	98.4	98.6	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	93.0	95.9	96.8	97.4	98.7	98.8	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	93.0	95.9	96.8	97.4	98.7	98.8	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	93.0	95.9	96.8	97.4	98.7	98.8	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	93.0	95.9	96.8	97.4	98.7	98.8	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	93.0	95.9	96.8	97.4	98.7	98.8	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	93.0	95.9	96.8	97.4	98.7	98.8	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 970

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-82

6-0

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-0322

ELEVATION FEET		VISIBILITY - STATUTE MILES															
		20	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1	10000	66.0	66.1	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
2	8000	70.0	70.1	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
3	6000	71.0	71.1	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
4	4000	71.1	71.2	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
5	2000	71.8	71.9	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
6	1000	74.4	74.6	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
7	500	77.6	77.7	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
8	200	79.1	79.2	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
9	100	80.3	80.4	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
10	50	81.3	81.8	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
11	25	82.3	82.8	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
12	10	84.4	84.9	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
13	5	85.6	86.0	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
14	2	86.8	87.2	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
15	1	87.8	88.2	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
16	0.5	87.0	87.4	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
17	0.25	90.1	90.9	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
18	0.1	91.1	92.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
19	0.05	91.2	92.9	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
20	0.025	91.3	93.4	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
21	0.01	92.1	94.2	94.4	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
22	0.005	92.1	94.3	94.7	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
23	0.0025	92.4	94.8	95.1	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
24	0.001	92.6	94.9	95.2	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
25	0.0005	92.6	94.9	95.2	95.8	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
26	0.00025	92.6	95.0	95.3	95.9	96.4	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
27	0.0001	92.6	95.3	95.9	96.7	97.8	97.8	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
28	0.00005	92.9	95.8	96.3	97.2	98.4	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
29	0.000025	92.9	95.8	96.4	97.3	98.6	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
30	0.00001	92.9	95.8	96.6	97.4	98.7	98.7	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
31	0.000005	92.9	95.8	96.6	97.4	98.7	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
32	0.0000025	92.9	95.8	96.6	97.4	98.7	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 200

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-62

618

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	200	20	21	24	25	27	28	30	32	34	36	38	40	45	50	55
NO. OF OBS.	51.6	62.2	67.3	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7	72.7
2-10000	55.4	56.1	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.5	56.5
2-10000	65.7	66.6	66.7	66.8	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.1
2-10000	66.1	66.8	66.9	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3
2-10000	66.8	67.5	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.9	67.9
2-10000	66.9	67.7	67.8	67.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.1	72.2
2-10000	71.9	72.7	72.8	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.2
2-10000	73.3	74.1	74.2	74.3	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
2-10000	75.3	76.3	76.4	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.9
2-10000	76.5	77.7	77.9	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.3
2-10000	77.8	79.1	79.2	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.6	79.7
2-10000	79.7	81.1	81.3	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.7
2-10000	81.4	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
2-10000	81.7	83.4	83.5	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
2-10000	83.0	84.8	85.0	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.5
2-10000	84.2	86.1	86.3	86.5	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8
2-10000	85.0	88.0	88.2	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.7
2-10000	86.8	89.2	89.5	89.7	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.2
2-10000	87.3	89.8	90.1	90.3	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.8	90.9
2-10000	88.1	90.5	91.1	91.4	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.9	92.0
2-10000	89.0	92.3	92.7	93.0	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.6
2-10000	89.4	92.8	93.3	93.6	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.4
2-10000	89.7	93.3	93.8	94.1	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.8
2-10000	90.0	93.7	94.2	94.5	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.3
2-10000	90.2	94.0	94.6	95.0	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.8
2-10000	90.5	94.4	95.1	95.5	96.1	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.6
2-10000	90.7	94.8	95.6	96.3	97.2	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.8
2-10000	91.0	95.1	96.0	96.7	97.8	97.9	98.3	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.8	98.9
2-10000	91.2	95.2	96.1	96.9	98.0	98.3	98.8	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.5
2-10000	91.5	95.2	96.2	96.9	98.1	98.4	99.0	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.8
2-10000	91.8	95.2	96.2	96.9	98.1	98.4	99.0	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.9
2-10000	91.0	95.2	96.2	96.9	98.1	98.4	99.0	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.9

TOTAL NUMBER OF OBSERVATIONS 7,000

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 HINGO AFB MO

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-0000

CEILING FEET	VISIBILITY STAT IN MILES																			
	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
0-100	62.7	62.8	62.7	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
100-200	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
200-300	65.6	66.1	66.2	66.3	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
300-400	65.8	66.3	66.5	66.6	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
400-500	66.6	67.1	67.2	67.3	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
500-600	68.1	68.6	68.7	68.8	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
600-700	71.1	71.6	71.7	71.9	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
700-800	71.6	72.2	72.3	72.5	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
800-900	75.3	75.8	75.9	76.1	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
900-1000	76.9	77.4	77.5	77.7	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
1000-1200	77.4	78.1	78.2	78.4	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
1200-1400	78.3	78.9	79.0	79.2	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
1400-1600	81.1	81.7	81.8	82.0	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
1600-1800	82.4	83.1	83.2	83.4	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
1800-2000	84.6	85.4	85.5	85.7	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
2000-2200	86.5	87.3	87.6	88.0	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
2200-2400	88.2	89.0	89.4	89.7	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
2400-2600	88.5	89.4	89.7	90.0	90.5	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
2600-2800	89.1	90.4	90.8	91.2	91.8	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
2800-3000	89.5	91.0	91.3	91.7	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
3000-3200	91.1	91.9	92.3	92.8	93.5	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
3200-3400	92.8	92.8	93.3	93.9	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
3400-3600	91.3	93.4	94.1	94.6	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
3600-3800	91.3	93.4	94.1	94.9	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
3800-4000	91.4	93.5	94.2	95.3	96.7	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
4000-4200	91.7	93.9	94.5	95.6	96.5	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
4200-4400	91.7	94.0	94.7	95.9	97.0	97.2	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
4400-4600	91.7	94.0	94.7	95.9	97.0	97.2	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
4600-4800	91.7	94.0	94.7	95.9	97.0	97.2	97.7	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
4800-5000	91.7	94.0	94.7	95.9	97.0	97.2	97.7	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 27

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

127575

MINOT APF 10

73-02

041

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

127575

		VISIBILITY - STATUTE MILES															
		20	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
900	64.3	64.9	65.1	65.3	65.3	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
800	65.1	65.4	65.5	65.7	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
700	65.3	65.6	65.7	65.9	65.9	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
600	66.3	66.7	66.8	67.0	67.0	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
500	68.1	68.5	68.5	68.8	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
400	72.2	72.6	72.7	72.9	72.9	72.9	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
300	72.5	73.2	73.3	73.5	73.5	73.5	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
200	75.2	75.5	75.7	75.9	75.9	75.9	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
100	75.9	76.3	76.5	76.7	76.7	76.7	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
50	76.3	76.6	76.9	77.1	77.1	77.1	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.5
25	77.3	78.1	78.2	78.4	78.4	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8
10	78.3	79.6	79.7	79.9	79.9	79.9	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.3
5	79.2	80.6	80.8	81.0	81.0	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4
2	81.6	82.6	82.7	82.9	82.9	82.9	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3
1	84.3	84.7	84.8	85.1	85.1	85.1	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5
0.5	85.7	86.0	86.7	86.9	86.9	86.9	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3
0.25	87.1	88.0	88.3	88.5	88.5	88.5	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1
0.1	87.8	88.8	89.1	89.4	89.4	89.4	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0
0.05	89.3	90.2	90.3	90.5	90.5	90.5	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.1
0.025	90.1	91.5	92.0	92.3	92.4	92.4	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0
0.01	90.3	92.2	92.8	93.1	93.2	93.2	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9
0.005	91.1	92.8	93.4	93.8	93.9	93.9	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7
0.0025	91.6	93.3	94.1	94.4	94.8	94.8	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7
0.001	91.6	93.5	94.4	94.8	95.3	95.3	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.1
0.0005	91.7	94.0	95.1	95.7	96.2	96.2	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1
0.00025	92.0	94.3	95.4	96.0	96.7	96.7	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6
0.0001	92.2	94.4	95.5	96.2	96.9	96.9	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1
0.00005	92.2	94.4	95.5	96.2	96.9	96.9	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1
0.000025	92.2	94.4	95.5	96.2	96.9	96.9	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1
0.00001	92.2	94.4	95.5	96.2	96.9	96.9	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1

TOTAL NUMBER OF OBSERVATIONS 03

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575
STATION

MINOT AFB ND

73-32

247

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

11-2-1952

ELEVATION FEET		ANBLY STATEMENT															
		200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
1000	1000	55.7	56.7	56.7	56.8	57.0	57.1	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.7
900	900	59.6	60.4	60.4	60.6	60.9	61.0	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.6
800	800	60.2	61.1	61.1	61.3	61.5	61.6	62.0	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.3
700	700	60.2	61.1	61.1	61.3	61.5	61.6	62.0	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.3
600	600	61.7	62.7	62.7	62.9	63.1	63.2	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.9
500	500	64.4	65.4	65.4	65.6	65.8	65.9	66.3	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.6
400	400	67.1	68.1	68.2	68.4	68.6	68.7	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.3
300	300	68.3	69.2	69.4	69.6	69.8	69.9	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.5
200	200	71.8	72.8	72.9	73.1	73.3	73.4	73.9	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.2
100	100	73.0	74.0	74.1	74.3	74.5	74.6	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.3
0	0	73.9	74.8	74.9	75.2	75.4	75.5	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.1
1000	1000	74.5	75.7	75.8	76.1	76.5	76.6	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.2
900	900	75.4	76.6	76.7	77.0	77.3	77.4	77.8	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.1
800	800	76.7	77.8	78.0	78.3	78.6	78.7	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.3
700	700	76.5	79.7	79.8	80.1	80.4	80.5	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.2
600	600	80.0	81.5	81.7	82.0	82.4	82.5	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.1
500	500	82.5	84.0	84.2	84.5	84.8	84.9	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.6
400	400	84.4	86.0	86.2	86.6	86.9	87.0	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.6
300	300	84.8	86.5	86.7	87.0	87.3	87.4	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.1
200	200	86.3	88.1	88.3	88.7	89.1	89.2	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.9
100	100	87.2	89.1	89.6	90.1	90.5	90.6	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.3
0	0	87.8	90.3	90.9	91.4	91.9	92.0	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.7
1000	1000	88.0	90.4	91.0	91.5	92.2	92.4	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	93.0
900	900	88.1	90.8	91.4	92.2	93.2	93.4	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.1
800	800	88.2	91.0	91.7	92.5	93.8	94.0	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.6
700	700	88.2	91.4	92.3	93.1	94.4	94.6	95.2	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.5
600	600	88.6	92.2	93.4	94.4	96.0	96.3	97.0	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.7
500	500	88.7	92.4	93.6	94.6	96.5	96.8	97.4	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.2
400	400	88.7	92.4	93.8	94.9	96.6	96.9	97.5	97.8	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.5
300	300	88.7	92.5	93.9	95.1	96.8	97.1	97.7	98.1	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.7
200	200	88.7	92.5	93.9	95.1	96.8	97.1	97.7	98.1	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.8
100	100	88.7	92.5	93.9	95.1	96.8	97.1	97.7	98.1	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.8

TOTAL NUMBER OF OBSERVATIONS 737

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675 MINOT AFB ND 73-57 101

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3-3-1100

		VISIBILITY - STATUTE MILES															
		20	26	27	24	25	22	23	2	21	24	24	2	25	6	7	20
1	1000	51.3	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
2	900	57.7	58.2	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
3	800	57.6	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
4	700	58.2	59.4	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
5	600	59.7	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
6	500	63.4	64.8	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
7	400	66.7	68.3	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
8	300	68.3	69.7	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
9	200	72.8	72.4	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
10	100	72.2	73.6	74.2	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
11	50	73.2	74.8	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
12	20	74.8	76.5	76.7	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
13	10	75.2	77.1	77.3	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
14	5	76.3	78.3	78.5	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
15	2	77.2	79.4	79.6	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
16	1	78.3	80.5	80.8	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
17	0.5	79.1	81.8	82.1	82.2	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
18	0.2	81.1	83.9	84.2	84.3	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
19	0.1	83.8	87.2	87.6	87.6	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
20	0.05	84.8	88.5	89.0	89.4	89.9	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
21	0.02	85.1	89.4	90.0	90.4	91.2	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
22	0.01	85.5	90.7	90.6	91.1	91.9	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
23	0.005	85.8	90.5	91.5	91.9	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
24	0.002	85.8	90.6	91.6	92.3	93.3	93.5	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
25	0.001	86.7	90.9	92.7	92.7	94.0	94.2	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
26	0.0005	86.0	91.3	92.6	93.8	95.8	96.1	96.5	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
27	0.0002	86.0	91.3	92.6	94.0	96.2	96.6	96.9	97.4	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8
28	0.0001	86.0	91.3	92.6	94.0	96.2	96.7	97.0	97.5	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1
29	0.00005	86.0	91.3	92.6	94.0	96.2	96.7	97.0	97.5	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 230

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINGT AFB ND

73-87

261

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-2-1988

CEILING FEET	VISIBILITY, STATUTE MILES															
	200	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
20000	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
18000	58.3	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
16000	58.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
14000	59.9	61.0	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
12000	62.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
10000	65.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
8000	66.8	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
6000	69.9	71.5	71.5	71.5	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
4000	71.4	73.1	73.1	73.1	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
3000	72.9	73.9	73.9	73.9	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
2000	72.9	74.9	75.1	75.1	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
1800	73.3	75.7	75.8	75.8	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
1600	74.4	76.8	76.9	76.9	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
1400	74.8	77.2	77.3	77.3	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
1200	76.6	79.2	79.4	79.4	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
1000	80.2	83.1	83.2	83.2	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
800	83.2	86.6	86.7	86.7	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
600	84.1	87.4	87.5	87.5	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
400	85.4	89.2	89.7	89.8	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
300	85.9	90.1	90.9	91.1	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
200	87.3	91.7	92.7	92.9	93.5	93.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
100	87.3	91.8	93.1	93.3	94.0	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
80	87.4	92.4	93.8	94.2	94.8	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
60	87.6	92.8	94.3	94.7	95.5	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
40	87.6	92.9	94.7	95.3	96.0	96.1	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
30	87.6	93.0	95.1	95.6	97.1	97.2	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
20	87.6	93.0	95.2	95.9	97.3	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
10	87.6	93.0	95.2	95.9	97.3	97.4	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
0	87.6	93.0	95.2	95.9	97.3	97.4	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS

261

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND 73-82 YEAR 261
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS) 15-2-1730

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
10000	51.4	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
8000	57.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
6000	58.2	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
4000	58.7	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
2000	60.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
1000	63.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
800	67.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
600	69.3	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
400	71.7	73.5	73.7	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
200	73.3	74.8	74.9	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
100	73.8	75.9	76.3	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
80	75.6	77.8	78.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
60	77.3	79.2	79.5	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
40	78.3	80.8	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
20	80.5	83.2	83.4	83.7	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
10	82.2	84.8	85.1	85.3	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
8	84.1	86.9	87.2	87.4	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
6	86.3	89.5	89.9	90.1	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
4	87.2	90.6	91.1	91.3	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
2	87.6	91.7	92.4	92.6	92.8	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
1	88.3	93.3	94.1	94.4	94.6	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
0	88.8	94.4	95.3	95.6	95.8	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
0.8	88.9	94.8	95.9	96.2	96.5	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0.6	88.9	95.1	96.1	96.5	96.7	96.7	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
0.4	89.2	95.7	96.8	97.1	97.4	97.4	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0.2	89.2	95.7	96.5	97.1	97.4	97.4	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0.1	89.2	95.6	96.7	97.2	97.7	97.7	98.2	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
0.05	89.4	96.1	97.2	97.5	98.2	98.2	98.6	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0.02	89.4	96.1	97.2	97.5	98.2	98.2	98.6	99.1	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6
0.01	89.4	96.1	97.2	97.5	98.2	98.2	98.6	99.1	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-82

007

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5-2-1-22

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	53.8	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000	61.4	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 16000	62.0	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 14000	63.5	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 12000	66.1	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 10000	69.8	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 9000	71.1	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 8000	74.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 7000	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 6000	76.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 5000	78.0	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 4500	79.0	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4000	80.3	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3500	82.7	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3000	85.1	87.5	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2500	86.3	89.0	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2000	88.0	91.2	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800	89.0	92.5	92.8	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1600	90.4	94.2	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1400	91.5	95.5	96.1	96.3	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1200	91.6	95.9	96.7	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 900	91.9	96.3	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	91.9	96.3	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	92.6	97.0	97.7	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 600	92.8	97.3	98.1	98.4	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	92.8	97.4	98.3	98.7	98.7	98.7	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	92.3	97.4	98.3	98.7	98.7	98.7	98.8	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	92.8	97.4	98.3	98.7	98.7	98.7	98.8	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	92.8	97.4	98.3	98.7	98.7	98.7	98.8	99.1	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	92.8	97.4	98.3	98.7	98.7	98.7	98.8	99.1	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 0	92.8	97.4	98.3	98.7	98.7	98.7	98.8	99.1	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

STATION NAME

73-32

YEARS

201

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-2300

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	20
20000	58.1	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
18000	63.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
16000	63.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
14000	63.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
12000	64.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
10000	67.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
8000	71.2	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
6000	72.4	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
4000	76.2	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
2000	77.4	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
1000	77.8	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
500	79.4	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
400	81.2	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
300	83.4	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
200	85.3	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
100	87.3	89.2	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
50	88.8	91.2	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
20	89.6	91.9	92.7	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
10	90.4	92.8	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
5	91.1	93.8	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
2	91.8	94.6	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
1	92.3	95.1	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
0	92.5	95.5	96.3	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
30	92.8	95.8	96.7	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
20	92.8	95.8	96.9	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
10	92.8	95.8	96.9	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
5	92.8	95.9	97.1	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
2	92.8	96.0	97.2	97.6	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1	92.8	96.0	97.3	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
0	92.8	96.0	97.3	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AI- WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND

73-82

CLT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	55.3	55.9	55.9	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 20000	55.7	61.6	61.6	61.7	61.7	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 18000	61.2	62.0	62.1	62.2	62.2	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 16000	61.5	62.4	62.4	62.5	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 14000	62.8	63.6	63.7	63.7	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.0
≥ 12000	65.4	66.4	66.4	66.5	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000	68.8	69.9	70.0	70.1	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.4
≥ 9000	71.7	71.1	71.2	71.3	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.6
≥ 8000	73.2	74.4	74.5	74.7	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.0	75.0
≥ 7000	74.5	75.7	75.8	75.9	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.3
≥ 6000	75.1	76.5	76.6	76.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0
≥ 5000	76.3	77.8	78.0	78.1	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.5
≥ 4500	77.4	78.9	79.1	79.2	79.4	79.4	79.5	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6
≥ 4000	78.5	80.2	80.3	80.5	80.6	80.6	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 3500	81.2	81.9	82.1	82.2	82.4	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.7	82.7
≥ 3000	82.7	83.8	84.0	84.2	84.4	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7
≥ 2500	84.7	86.0	86.2	86.4	86.6	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.9	86.9
≥ 2000	85.9	88.2	88.4	88.6	88.9	88.9	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1800	86.6	89.0	89.3	89.5	89.7	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.1
≥ 1600	87.8	90.5	90.8	91.1	91.4	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1400	88.5	91.6	92.2	92.5	92.8	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.2
≥ 1200	89.1	92.6	93.2	93.6	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4
≥ 1000	89.5	93.0	93.8	94.2	94.6	94.6	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 900	89.7	93.4	94.3	94.7	95.2	95.3	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 800	89.9	93.7	94.7	95.2	95.8	95.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.4	96.4
≥ 700	90.0	93.9	95.0	95.6	96.2	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.9	96.9
≥ 600	90.1	94.2	95.4	96.1	97.0	97.1	97.6	97.7	97.7	97.9	98.0	98.0	98.0	98.0	98.1	98.1
≥ 500	90.1	94.3	95.5	96.3	97.3	97.5	97.9	98.2	98.2	98.5	98.6	98.6	98.6	98.7	98.7	98.8
≥ 400	90.1	94.3	95.6	96.4	97.4	97.5	98.0	98.4	98.4	98.8	98.9	98.9	98.9	98.9	99.0	99.1
≥ 300	90.1	94.3	95.6	96.4	97.4	97.5	98.0	98.4	98.5	99.0	99.2	99.2	99.2	99.3	99.4	99.6
≥ 200	90.1	94.3	95.6	96.4	97.4	97.5	98.0	98.4	98.5	99.1	99.3	99.3	99.5	99.7	99.7	99.9
≥ 100	90.1	94.3	95.6	96.4	97.4	97.5	98.0	98.4	98.5	99.1	99.3	99.4	99.5	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 748

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AZ- WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-62

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

333-0430

CEILING FEET	VISIBILITY, STATUTE MILES															
	210	20	25	24	23	22	22	21	21	20	20	19	18	17	16	15
NO CEILING	55.2	56.2	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
20000	58.7	59.8	60.7	60.7	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
18000	58.9	60.0	60.9	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
16000	59.6	60.7	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
14000	60.2	61.4	62.3	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
12000	62.0	63.2	64.1	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
10000	64.7	65.2	66.2	66.2	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
9000	64.2	65.4	66.4	66.4	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
8000	65.7	66.9	67.9	67.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
7000	67.3	69.0	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
6000	68.2	70.0	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
5000	68.9	71.1	72.1	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
4500	70.1	72.3	73.3	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
4000	71.8	74.1	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
3500	74.4	77.3	78.4	78.4	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
3000	76.2	79.3	80.6	80.6	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
2500	78.7	81.4	82.7	82.7	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
2000	79.2	83.1	84.3	84.3	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
1800	79.8	83.9	85.1	85.1	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
1600	80.6	84.9	86.4	86.4	86.8	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
1400	82.4	87.3	89.1	89.1	89.4	89.7	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1
1200	83.7	88.8	90.6	90.6	91.0	91.2	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
1000	84.7	90.0	91.8	91.8	92.2	92.4	92.8	92.8	92.8	93.0	93.1	93.1	93.2	93.2	93.2	93.2
900	84.9	90.4	92.2	92.2	92.7	92.9	93.2	93.2	93.2	93.4	93.6	93.6	93.7	93.8	93.8	93.8
800	85.7	91.4	93.2	93.2	93.7	93.9	94.2	94.2	94.2	94.4	94.6	94.6	94.7	94.8	94.8	94.8
700	85.8	91.9	93.7	93.7	94.1	94.3	94.7	94.7	94.7	94.9	95.1	95.1	95.2	95.4	95.4	95.4
600	86.1	92.4	94.6	94.6	95.2	95.4	95.8	95.9	95.9	96.1	96.4	96.4	96.6	96.6	96.8	96.8
500	86.2	92.6	94.8	94.8	95.8	96.0	96.3	96.6	96.6	97.0	97.3	97.3	97.4	97.8	97.8	97.9
400	86.2	92.6	94.8	94.8	95.8	96.0	96.6	96.6	96.9	97.7	98.0	98.0	98.4	98.8	99.1	99.4
300	86.2	92.6	94.8	94.8	95.8	96.0	96.6	96.6	96.9	97.7	98.0	98.0	98.4	98.8	99.1	99.4
200	86.2	92.6	94.8	94.8	95.8	96.0	96.6	96.6	96.9	97.7	98.0	98.0	98.4	98.8	99.1	99.4
100	86.2	92.6	94.8	94.8	95.8	96.0	96.6	96.6	96.9	97.7	98.0	98.0	98.4	98.8	99.1	99.4
0	86.2	92.6	94.8	94.8	95.8	96.0	96.6	96.6	96.9	97.7	98.0	98.0	98.4	98.8	99.1	99.4

TOTAL NUMBER OF OBSERVATIONS 720

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575
STATION

MINOT AFB ND

STATION NAME

73-67

YEAR

400

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

300-250

		VISIBILITY STATUTE MILES															
		20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1	1000	54.3	55.0	55.5	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
2	800	57.7	58.3	58.9	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
3	600	57.8	58.4	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
4	400	58.4	59.1	59.7	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
5	300	59.5	61.2	61.3	61.9	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
6	200	63.1	63.8	64.3	64.4	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
7	100	63.5	64.3	64.9	65.0	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
8	80	64.8	65.7	66.2	66.3	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
9	60	65.7	66.9	67.4	67.6	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
10	40	66.7	67.3	67.7	68.0	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
11	20	67.3	68.7	69.2	69.3	69.9	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
12	10	68.6	70.0	70.6	70.7	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
13	5	69.0	70.4	71.1	71.3	72.0	72.1	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
14	2	70.2	71.8	72.4	72.7	73.4	73.6	73.8	73.9	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1
15	1	72.9	74.7	75.4	75.7	76.6	76.7	77.0	77.1	77.1	77.1	77.2	77.3	77.4	77.4	77.4	77.4
16	0.5	75.3	76.9	77.7	77.9	78.8	79.0	79.4	79.6	79.6	79.7	79.8	79.9	79.9	80.0	80.0	80.0
17	0.25	75.6	78.0	78.8	79.0	79.9	80.1	80.6	80.7	80.7	80.8	80.9	81.0	81.0	81.1	81.1	81.1
18	0.1	75.9	78.9	79.8	80.0	80.9	81.1	81.6	81.7	81.7	81.8	81.9	82.0	82.0	82.1	82.1	82.1
19	0.05	77.8	81.0	81.9	82.1	83.0	83.2	83.7	83.8	83.8	83.9	84.0	84.1	84.1	84.2	84.2	84.2
20	0.025	80.3	84.0	85.0	85.3	86.2	86.4	87.0	87.1	87.1	87.2	87.3	87.4	87.4	87.6	87.6	87.6
21	0.01	82.1	86.3	87.3	87.8	88.7	88.9	89.4	89.7	89.7	89.8	90.0	90.1	90.1	90.2	90.2	90.2
22	0.005	82.3	87.1	88.2	88.8	89.7	89.9	90.5	90.8	90.8	90.9	91.6	91.7	91.7	91.8	91.8	91.8
23	0.0025	82.8	87.9	89.1	89.7	90.6	90.8	91.4	91.7	91.7	91.8	92.8	92.9	92.9	93.0	93.0	93.0
24	0.001	83.9	89.2	90.3	91.0	91.9	92.1	92.9	93.1	93.2	93.3	94.4	94.6	94.6	94.7	94.7	94.7
25	0.0005	84.3	90.3	91.4	92.1	93.0	93.2	94.0	94.3	94.4	94.7	95.8	95.9	95.9	96.0	96.0	96.0
26	0.00025	84.7	90.9	92.1	92.8	93.9	94.1	94.9	95.3	95.4	95.9	97.1	97.1	97.1	97.2	97.2	97.2
27	0.0001	84.7	91.1	92.4	93.1	94.4	94.7	95.4	95.9	96.0	96.4	97.6	97.7	97.7	97.8	97.8	97.8
28	0.00005	84.7	91.2	92.7	93.6	95.3	95.6	96.6	97.0	97.1	97.8	99.2	99.3	99.3	99.6	99.7	99.7
29	0.000025	84.7	91.2	92.7	93.6	95.3	95.6	96.6	97.0	97.1	97.8	99.2	99.3	99.3	99.6	99.7	99.7
30	0.00001	84.7	91.2	92.7	93.6	95.3	95.6	96.6	97.0	97.1	97.8	99.3	99.4	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AID WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-02

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

030-0000

CEILING FEET	VISIBILITY STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	53.4	54.4	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
18000	56.3	57.4	57.6	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
16000	56.6	57.7	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
14000	56.6	57.7	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
12000	56.9	58.0	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
10000	58.9	60.0	60.7	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
8000	61.2	62.4	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
6000	61.4	62.7	63.0	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
4000	63.1	64.3	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
2000	63.2	65.1	65.4	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
1000	64.0	65.3	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
500	65.1	66.6	67.0	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
250	66.4	68.1	68.6	68.7	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
100	66.8	68.4	69.0	69.3	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
50	68.0	69.6	70.4	71.0	71.8	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
25	68.7	70.6	71.2	71.8	72.8	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
10	70.1	72.1	73.2	74.0	75.1	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
5	71.7	73.8	74.9	75.6	76.9	77.2	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
2	72.1	74.7	75.8	76.7	77.8	78.1	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
1	74.0	77.0	78.2	79.3	80.4	80.8	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
0.5	77.1	80.4	81.7	82.8	84.0	84.4	84.9	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1
0.25	78.0	82.1	83.4	84.6	85.8	86.2	86.8	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
0.1	79.3	83.8	85.1	86.2	87.4	87.9	88.6	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
0.05	80.0	84.6	85.9	87.0	88.4	88.9	89.7	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
0.025	80.9	85.4	86.8	88.0	89.4	89.9	90.7	91.0	91.1	91.2	91.6	91.6	91.6	91.6	91.6	91.6
0.01	81.7	86.6	88.0	89.2	90.7	91.1	92.0	92.3	92.4	92.6	93.0	93.0	93.0	93.0	93.0	93.0
0.005	82.7	87.7	89.1	90.4	91.9	92.3	93.2	93.7	93.8	93.9	94.6	94.6	94.6	94.6	94.6	94.6
0.0025	83.0	88.6	90.3	91.8	93.2	93.7	94.6	95.0	95.1	95.3	96.1	96.1	96.1	96.1	96.1	96.1
0.001	83.1	88.7	90.4	92.0	93.8	94.2	95.2	95.9	96.0	96.3	97.3	97.3	97.3	97.3	97.3	97.3
0.0005	83.0	88.8	90.6	92.1	93.9	94.4	95.4	96.1	96.2	96.6	97.6	97.6	97.6	97.6	97.6	97.6
0.00025	83.0	88.8	90.7	92.2	94.1	94.7	95.7	96.3	96.4	96.8	97.9	97.9	97.9	97.9	97.9	97.9
0.0001	83.0	88.8	90.7	92.2	94.1	94.7	95.7	96.3	96.4	96.8	97.9	97.9	97.9	97.9	97.9	97.9

TOTAL NUMBER OF OBSERVATIONS 500

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

227575

MINOT AFB ND

73-32

4.4

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

212-1122

ELEVATION FEET	VISIBILITY, STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥10000	51.6	51.7	52.1	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.6	52.6
9000	56.7	57.2	57.4	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.1	58.1
8000	56.4	57.4	57.9	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.6
7000	56.6	57.6	58.2	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.7	58.7
6000	57.7	58.2	58.4	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.1	59.1
5000	58.8	59.8	60.2	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.9	60.9
4000	62.9	64.4	65.0	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.6	65.7
3000	63.9	65.4	66.0	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.8
2000	65.9	67.6	68.1	68.4	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9	69.0
1000	66.2	67.9	68.4	68.8	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.2	69.3
500	66.6	68.4	69.0	69.3	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.9
400	66.9	68.9	69.4	70.1	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.8
300	68.3	70.0	70.7	71.3	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9	72.0
200	68.4	71.1	71.2	72.6	73.1	73.1	73.3	73.3	73.3	73.3	73.4	73.6	73.6	73.6	73.7	73.8
100	69.1	71.9	72.7	73.4	74.0	74.0	74.2	74.3	74.3	74.4	74.6	74.6	74.6	74.6	74.7	74.8
50	70.3	73.0	73.8	74.0	75.2	75.2	75.4	75.6	75.6	75.7	75.8	75.8	75.8	75.9	76.0	76.1
25	71.3	74.7	75.6	76.4	77.1	77.2	77.4	77.6	77.6	77.7	77.9	77.9	77.9	77.9	78.0	78.1
10	72.4	76.2	76.9	77.8	78.7	78.8	79.0	79.1	79.1	79.2	79.7	79.7	79.7	79.7	79.8	79.9
5	72.6	76.4	77.3	78.2	79.1	79.2	79.6	79.7	79.7	79.8	80.2	80.2	80.2	80.3	80.4	80.4
2	74.4	78.1	79.0	80.0	80.9	81.0	81.4	81.7	81.7	81.8	82.2	82.2	82.2	82.3	82.4	82.4
1	76.2	81.0	82.2	83.4	84.4	84.6	85.2	85.6	85.6	85.7	86.1	86.1	86.1	86.2	86.3	86.3
0.5	77.7	83.0	84.3	85.6	86.6	86.7	87.3	87.7	87.7	87.8	88.3	88.3	88.3	88.4	88.6	88.6
0.25	78.7	84.0	85.3	86.6	87.6	87.7	88.3	88.7	88.7	88.9	89.4	89.4	89.4	89.5	89.7	89.7
0.1	79.2	85.0	86.3	87.6	88.6	88.7	89.3	89.8	89.8	90.0	90.6	90.6	90.6	90.7	90.8	90.8
0.05	80.0	86.0	87.3	88.7	89.7	89.8	90.4	90.9	90.9	91.1	91.7	91.8	91.9	92.0	92.1	92.1
0.025	80.7	86.8	88.2	89.7	90.7	90.8	91.4	91.9	91.9	92.1	92.8	92.9	93.0	93.1	93.2	93.2
0.01	81.1	87.6	89.1	90.7	91.8	91.9	92.7	93.2	93.2	93.4	94.1	94.2	94.3	94.4	94.6	94.6
0.005	81.4	87.9	89.7	91.2	92.6	92.8	93.6	94.3	94.3	94.8	95.7	95.8	95.9	96.1	96.2	96.2
0.0025	81.6	88.0	89.8	91.4	92.8	93.0	94.1	95.1	95.1	96.1	97.1	97.3	97.6	98.0	98.3	98.7
0.001	81.6	88.0	89.8	91.4	92.8	93.0	94.1	95.1	95.1	96.2	97.2	97.6	97.9	98.7	99.1	99.7

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
JOPFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

STATION NAME

73-22

YEAR

844

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10-2-1433

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	28	24	23	22	21	20	19	18	17	16	15	14	13	12
10000	54.7	54.3	54.5	54.7	54.8	54.5	54.8	54.5	54.9	54.8	54.8	54.8	54.8	54.8	54.8	54.8
9000	59.1	54.8	61.2	61.4	61.6	61.5	61.6	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
8000	59.3	61.0	61.4	61.7	61.8	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
7000	59.3	61.0	61.4	61.7	61.8	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
6000	59.8	61.4	61.9	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
5000	61.7	62.3	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
4000	65.2	67.2	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
3000	67.0	69.1	69.5	70.1	70.3	70.3	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5
2000	67.4	69.5	70.3	70.7	70.9	70.9	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1
1000	67.3	70.0	70.8	71.1	71.3	71.3	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5
500	67.2	70.0	71.1	71.4	72.0	72.0	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2
200	68.1	71.4	71.3	71.7	72.2	72.2	72.3	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5
100	68.3	71.6	72.4	72.6	73.3	73.3	73.4	73.4	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7
50	69.8	72.6	73.4	73.8	74.3	74.3	74.4	74.4	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7
20	71.9	73.7	74.6	74.9	75.4	75.4	75.6	75.6	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8
10	72.2	75.1	76.1	76.6	77.1	77.1	77.4	77.5	77.5	77.5	77.8	77.8	77.8	77.8	77.8	77.8
5	73.4	76.6	77.6	78.1	78.6	78.7	79.1	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4
2	74.2	77.3	78.4	78.9	79.4	79.6	80.1	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3
1	76.2	79.7	80.8	81.2	81.8	81.9	82.3	82.4	82.4	82.8	83.0	83.0	83.1	83.1	83.1	83.1
0.5	77.9	81.7	83.4	84.0	84.6	84.8	85.6	85.9	85.9	86.3	86.6	86.6	86.6	86.7	86.7	86.7
0.2	79.2	84.0	85.9	86.4	87.1	87.3	88.4	88.6	88.6	89.2	89.2	89.2	89.3	89.3	89.3	89.4
0.1	80.0	85.1	87.1	87.6	88.2	88.4	89.8	89.9	89.9	90.3	90.6	90.6	90.7	90.7	90.7	90.9
0.05	80.8	86.0	88.7	88.6	89.3	89.6	90.9	91.1	91.1	91.5	91.8	91.8	91.9	91.9	91.9	92.1
0.02	81.8	87.4	89.6	90.3	91.1	91.3	92.7	92.9	92.9	93.3	93.6	93.6	93.7	93.7	93.7	93.9
0.01	82.4	88.3	90.7	91.7	92.4	92.7	94.0	94.2	94.2	94.7	94.9	94.9	95.3	95.3	95.3	95.6
0.005	82.7	88.7	91.1	92.2	93.1	93.3	94.8	95.0	95.0	95.5	95.8	95.8	96.2	96.2	96.2	96.4
0.002	83.1	89.2	91.8	93.0	94.1	94.6	96.0	96.3	96.4	97.1	97.3	97.3	97.8	97.8	97.8	98.0
0.001	83.1	89.2	91.8	93.4	94.6	95.1	96.6	96.9	97.0	97.8	98.0	98.0	98.4	98.4	98.4	98.7
0.0005	83.1	89.2	91.8	93.4	94.6	95.1	96.7	97.0	97.1	98.3	98.7	98.8	99.4	99.4	99.4	99.7
0.0002	83.1	89.2	91.8	93.4	94.6	95.1	96.7	97.0	97.1	98.3	98.7	98.8	99.4	99.4	99.4	99.7

TOTAL NUMBER OF OBSERVATIONS

2700

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND

73-37

Y.Y.

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11-1-73

STATION NAME		VISIBILITY (STATUTE MILES)															
		20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	15.1	55.6	55.9	55.9	56.0	56.1	56.2	56.3	56.4	56.5	56.6	56.7	56.8	56.9	57.0	57.1	57.2
900	62.2	63.2	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
800	62.7	63.7	63.7	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
700	62.7	63.9	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
600	63.5	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
500	65.4	66.4	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
400	69.7	70.1	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
300	69.3	70.4	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
200	70.8	72.2	72.4	72.4	72.7	72.9	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
100	71.9	73.3	73.5	73.5	73.8	74.0	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
000	72.7	73.4	73.7	73.7	73.9	74.1	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
500	72.2	73.6	74.0	74.0	74.2	74.4	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
400	72.8	74.3	74.8	74.8	75.0	75.2	75.4	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8
300	73.7	75.3	75.5	75.5	75.8	76.0	76.2	76.4	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8
200	74.1	75.9	76.3	76.3	76.7	76.9	77.1	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4
100	75.3	77.6	78.3	78.3	78.4	78.9	79.1	79.3	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7
000	76.9	79.7	80.4	80.6	81.0	81.3	81.7	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1
500	78.3	81.1	82.0	82.1	82.7	83.0	83.4	83.8	83.8	83.8	84.1	84.2	84.2	84.2	84.2	84.2	84.2
400	78.9	81.7	82.6	82.7	83.2	83.6	84.2	84.6	84.6	84.6	84.9	85.1	85.0	85.0	85.0	85.0	85.0
300	82.1	83.1	84.3	84.4	85.1	85.4	86.2	86.6	86.6	86.6	86.6	87.0	87.1	87.1	87.1	87.1	87.1
200	82.2	85.8	87.0	87.1	87.9	88.3	89.4	89.8	89.8	89.8	89.8	90.2	90.3	90.3	90.3	90.3	90.3
100	82.7	86.6	87.9	88.0	88.8	89.3	90.7	91.0	91.0	91.0	91.0	91.4	91.6	91.7	91.7	91.7	91.7
000	83.7	87.9	89.3	89.6	90.4	91.0	92.3	92.8	92.8	92.8	93.2	93.3	93.4	93.4	93.4	93.4	93.4
500	83.8	88.1	89.6	89.9	90.8	91.3	92.8	93.2	93.2	93.2	93.2	93.7	93.8	93.9	93.9	93.9	94.1
400	84.0	88.4	90.0	90.4	91.4	92.0	93.4	93.9	93.9	94.0	94.4	94.6	94.7	94.7	94.7	94.7	94.9
300	84.2	88.9	90.4	91.0	92.2	92.9	94.3	95.1	95.1	95.1	95.3	95.8	95.9	96.0	96.0	96.0	96.2
200	84.3	89.1	90.8	91.4	92.9	93.6	95.1	95.8	95.2	96.6	97.0	97.1	97.3	97.3	97.3	97.4	97.7
100	84.3	89.1	91.7	91.7	93.4	94.1	95.7	96.4	97.0	97.3	97.8	97.9	98.1	98.1	98.2	98.4	98.4
000	84.3	89.1	91.7	92.3	94.1	94.8	96.3	97.1	97.7	98.0	98.4	98.6	98.8	98.8	98.9	99.1	99.1
500	84.3	89.1	91.7	92.3	94.3	95.0	96.6	97.3	97.9	98.3	98.9	99.0	99.2	99.2	99.3	99.4	99.6
400	84.3	89.1	91.7	92.3	94.3	95.0	96.6	97.3	97.9	98.3	99.0	99.1	99.3	99.3	99.4	99.4	99.6
300	84.3	89.1	91.7	92.3	94.3	95.0	96.6	97.3	97.9	98.3	99.0	99.1	99.3	99.3	99.4	99.4	99.6
200	84.3	89.1	91.7	92.3	94.3	95.0	96.6	97.3	97.9	98.3	99.0	99.1	99.3	99.3	99.4	99.4	99.6
100	84.3	89.1	91.7	92.3	94.3	95.0	96.6	97.3	97.9	98.3	99.0	99.1	99.3	99.3	99.4	99.4	99.6
000	84.3	89.1	91.7	92.3	94.3	95.0	96.6	97.3	97.9	98.3	99.0	99.1	99.3	99.3	99.4	99.4	99.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

137675

MINOT AFB MO

73-82

4-8

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0-2-2-2-2

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	31	34	37	41	45	50	55	60	65	70	75	80	85	90
100	55.3	55.3	55.4	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.8
200	63.1	63.9	63.6	63.6	63.9	63.9	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
300	63.4	63.9	63.5	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.4
400	63.3	64.2	64.1	64.2	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
500	64.3	64.8	64.8	65.0	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.3
600	66.2	66.7	66.7	66.9	67.2	67.2	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.2
700	71.1	71.8	71.4	71.8	71.7	71.9	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
800	71.7	71.2	71.2	71.4	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8
900	73.4	73.3	73.1	73.3	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.8
1000	73.2	73.9	74.1	74.2	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7
1100	73.9	74.6	74.7	74.9	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.3
1200	74.2	74.9	75.1	75.2	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7
1300	75.2	76.1	76.1	76.3	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8
1400	76.1	76.9	77.1	77.2	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7
1500	78.8	77.9	78.7	78.2	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7
1600	75.1	79.9	81.7	80.2	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.8
1700	79.4	81.6	81.9	82.0	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.9
1800	81.3	83.6	83.9	84.1	85.7	85.7	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3
1900	81.9	84.1	84.5	84.8	85.7	85.7	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.2
2000	82.2	85.3	85.3	86.0	87.0	87.0	87.4	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.2
2100	85.0	86.6	86.2	87.6	87.6	88.6	91.1	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.1
2200	85.7	89.6	90.3	90.7	91.7	91.7	92.2	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.3
2300	86.1	90.7	91.3	91.7	92.7	92.8	93.3	94.1	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4
2400	86.2	91.1	91.9	92.2	93.2	93.3	93.9	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.1
2500	86.2	91.1	91.9	92.2	93.2	93.3	93.6	94.1	95.0	95.2	96.1	96.3	96.4	96.4	96.4	96.4
2600	86.2	91.1	92.0	92.4	93.6	93.6	94.3	95.4	95.4	96.3	96.3	96.9	97.1	97.3	97.7	97.4
2700	86.2	91.1	92.1	92.6	93.7	93.9	94.6	95.7	95.7	96.8	97.3	97.4	97.8	97.8	97.8	97.9
2800	86.2	91.1	92.2	92.8	94.1	94.3	95.0	96.2	96.2	97.4	98.1	98.2	98.6	98.6	98.6	98.7
2900	86.2	91.1	92.2	92.8	94.1	94.4	95.1	96.4	96.4	97.7	98.2	98.4	98.8	98.8	98.8	98.9
3000	86.2	91.1	92.2	92.8	94.1	94.4	95.1	96.4	96.4	97.7	98.4	98.6	99.1	99.1	99.7	99.6
3100	86.2	91.1	92.2	92.8	94.1	94.4	95.1	96.4	96.4	97.7	98.4	98.6	99.3	99.6	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 722

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND

73-57

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

112-2122

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
10000	57.1	58.4	58.5	58.6	58.9	58.9	59.7	59.7	59.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1
8000	62.9	64.4	64.5	64.9	65.7	65.7	65.1	65.2	65.2	65.3	65.7	65.3	65.3	65.3	65.3	65.3
6000	63.2	64.8	64.9	65.2	65.3	65.3	65.4	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7
4000	63.7	65.2	65.3	65.7	65.8	65.8	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
2000	64.1	65.7	65.9	66.1	66.2	66.2	66.3	66.4	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.6
1000	66.4	68.0	68.1	68.4	68.6	68.6	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
800	68.7	69.6	69.7	70.0	70.1	70.1	70.2	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4
600	69.3	69.9	70.7	70.3	70.4	70.4	70.6	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8
400	69.6	71.3	71.4	71.6	71.9	71.9	72.0	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2
200	70.5	72.3	72.4	72.8	72.9	72.9	73.0	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
100	71.1	72.8	73.7	73.3	73.4	73.4	73.6	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8
80	72.2	74.0	74.2	74.6	74.7	74.7	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0
60	73.2	75.0	75.2	75.6	75.7	75.7	75.8	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0
40	74.2	76.2	76.4	76.6	76.9	76.9	77.0	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2
20	76.2	78.6	78.9	79.2	79.3	79.3	79.4	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7
10	77.8	80.6	81.1	81.4	81.6	81.6	81.7	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9
8	79.6	82.4	83.2	83.6	84.2	84.2	84.4	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7
6	81.0	83.1	84.7	84.6	85.0	85.0	85.6	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9
4	80.3	83.6	84.6	85.2	85.7	85.7	86.3	86.4	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7
2	81.1	84.9	86.1	86.6	87.4	87.4	88.1	88.2	88.3	88.8	88.8	88.8	88.8	88.8	88.8	88.8
1	82.3	86.8	88.1	88.8	89.6	89.7	90.3	90.4	90.6	91.0	91.1	91.1	91.1	91.1	91.1	91.1
0.8	84.7	88.3	89.7	90.3	91.1	91.2	91.9	92.0	92.1	92.6	92.7	92.7	92.7	92.7	92.8	92.8
0.6	84.4	89.1	90.4	91.2	92.1	92.2	92.9	93.1	93.2	93.7	93.8	93.8	93.8	93.8	93.9	93.9
0.4	85.2	89.8	91.1	91.9	93.0	93.1	93.8	94.0	94.1	94.6	94.8	94.8	94.9	94.9	95.0	95.0
0.2	85.3	90.3	91.7	92.4	93.6	93.8	94.4	94.7	94.9	95.3	95.6	95.6	95.7	95.7	95.8	95.8
0.1	85.6	90.6	92.1	92.9	94.0	94.2	94.9	95.1	95.3	95.8	96.1	96.1	96.2	96.3	96.4	96.6
0.08	85.8	90.9	92.2	93.0	94.1	94.3	95.0	95.3	95.6	96.0	96.3	96.3	96.4	96.6	96.7	96.8
0.06	85.8	91.1	92.7	93.4	94.9	95.1	95.8	96.1	96.3	97.2	97.6	97.8	97.9	98.0	98.3	98.4
0.04	85.8	91.2	92.6	93.7	95.1	95.3	96.1	96.4	96.7	97.8	98.3	98.6	98.7	98.8	99.1	99.2
0.02	85.8	91.2	92.6	93.7	95.1	95.3	96.1	96.4	96.7	97.8	98.6	98.8	99.0	99.1	99.4	99.6
0.01	85.8	91.2	92.6	93.7	95.1	95.3	96.1	96.4	96.7	97.8	98.6	98.8	99.1	99.2	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 500

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND

73-82

YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

ELEVATION FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO RECORD	54.2	55.2	55.4	55.6	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
1-2000	59.5	60.6	60.9	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
2-3000	59.3	60.8	61.2	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
3-4000	60.2	61.1	61.4	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
4-5000	60.6	61.7	62.2	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
5-6000	62.4	63.5	63.8	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
6-7000	65.4	66.6	67.0	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
7-8000	65.8	67.1	67.5	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
8-9000	67.4	68.8	69.2	69.4	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
9-10000	68.3	69.8	70.2	70.4	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
10-11000	68.7	70.2	70.7	70.9	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
11-12000	69.3	71.0	71.5	71.7	72.0	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
12-13000	70.3	72.0	72.6	72.8	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
13-14000	71.1	72.8	73.6	73.9	74.3	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
14-15000	72.3	74.5	75.1	75.4	75.8	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
15-16000	73.7	76.2	76.9	77.2	77.7	77.8	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
16-17000	75.3	78.5	78.8	79.2	79.9	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
17-18000	76.5	79.4	80.3	80.7	81.4	81.6	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
18-19000	77.0	80.1	81.0	81.4	82.2	82.3	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
19-20000	78.3	81.8	82.8	83.3	84.1	84.2	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
20-21000	80.5	84.5	85.7	86.3	87.1	87.3	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
21-22000	81.6	86.1	87.4	88.0	88.8	89.1	89.8	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
22-23000	82.4	87.2	88.6	89.2	90.0	90.3	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
23-24000	82.8	87.9	89.3	89.9	90.8	91.1	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
24-25000	83.5	88.7	90.1	90.8	91.8	92.0	92.8	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
25-26000	83.9	89.3	90.8	91.6	92.6	92.8	93.7	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
26-27000	84.2	89.8	91.4	92.2	93.3	93.6	94.5	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
27-28000	84.3	90.1	91.8	92.7	94.0	94.3	95.2	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
28-29000	84.3	90.1	92.0	93.0	94.4	94.8	95.7	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
29-30000	84.4	90.2	92.0	93.0	94.5	94.9	95.9	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
30-31000	84.4	90.2	92.0	93.0	94.5	94.9	95.9	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS 7,222

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND 73-82 246

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

111-0422

ELEVATION FEET	VISIBILITY STATUTE MILES															
	20	20	25	24	23	22	22	21	21	21	20	20	20	20	20	20
20000	44.1	45.5	46.3	46.7	47.4	47.4	47.7	48.1	48.1	48.1	48.2	48.3	48.4	48.4	48.5	48.9
18000	45.1	46.4	47.9	51.2	51.9	51.9	52.3	52.6	52.6	52.6	52.7	52.8	52.9	52.9	53.0	53.4
16000	45.5	50.9	51.3	51.6	52.4	52.4	52.7	53.0	53.0	53.0	53.1	53.2	53.3	53.3	53.4	53.9
14000	48.5	50.9	51.7	51.6	52.4	52.4	52.7	53.0	53.0	53.0	53.1	53.2	53.3	53.3	53.4	53.9
12000	49.1	51.5	51.9	52.3	53.0	53.0	53.3	53.7	53.7	53.7	53.8	53.9	54.0	54.0	54.1	54.5
10000	50.5	52.9	53.3	53.7	54.4	54.4	54.7	55.1	55.1	55.1	55.2	55.3	55.4	55.4	55.5	55.9
8000	53.3	55.4	55.8	56.1	56.9	56.9	57.2	57.5	57.5	57.5	57.7	57.8	58.0	58.0	58.1	58.5
6000	53.9	56.3	56.9	57.2	58.0	58.0	58.3	58.6	58.6	58.7	58.8	58.9	59.0	59.0	59.1	59.6
4000	57.4	60.2	60.9	61.2	61.9	61.9	62.3	62.6	62.6	62.7	62.8	62.9	63.0	63.0	63.1	63.5
2000	58.5	61.4	62.0	62.4	63.2	63.3	63.7	64.1	64.1	64.4	64.5	64.6	64.7	64.7	64.8	65.3
1000	59.5	62.5	63.1	63.4	64.3	64.4	64.7	65.2	65.2	65.5	65.6	65.7	65.8	65.8	65.9	66.3
500	61.6	64.9	65.6	65.9	66.8	66.9	67.2	67.6	67.6	68.0	68.1	68.2	68.3	68.3	68.4	68.9
250	61.9	65.3	65.7	66.2	67.1	67.2	67.5	68.0	68.0	68.3	68.4	68.5	68.6	68.6	68.7	69.1
100	64.4	68.0	68.9	69.5	70.4	70.5	70.9	71.3	71.7	71.6	71.7	71.8	71.9	71.9	72.0	72.5
50	65.7	69.5	70.5	71.1	72.0	72.2	72.5	72.9	72.9	73.3	73.4	73.5	73.7	73.7	73.8	74.2
25	66.7	70.9	72.0	72.6	73.5	73.7	74.0	74.4	74.4	74.8	74.9	75.1	75.2	75.2	75.3	75.7
10	68.2	72.8	74.1	74.7	75.8	76.2	76.9	77.5	77.5	78.0	78.1	78.2	78.3	78.3	78.4	78.8
5	69.1	74.3	75.5	76.1	77.4	78.0	78.6	79.4	79.4	79.6	79.9	80.0	80.1	80.1	80.2	80.6
2	69.7	75.1	76.7	77.3	78.6	79.1	79.9	80.6	80.6	81.1	81.2	81.3	81.4	81.4	81.5	81.9
1	71.0	76.9	78.6	79.2	80.8	81.3	82.4	83.2	83.2	83.9	84.0	84.1	84.2	84.2	84.3	84.7
0.5	71.5	77.6	79.6	80.2	81.8	82.4	83.4	84.4	84.4	85.2	85.3	85.4	85.6	85.6	85.7	86.1
0.25	72.2	78.3	80.7	81.0	82.6	83.4	84.5	85.6	85.6	86.3	86.5	86.7	87.1	87.2	87.3	87.7
0.1	72.4	78.6	80.6	81.6	83.4	84.3	85.4	86.6	86.6	87.4	87.7	87.8	88.3	88.4	88.5	88.9
0.05	72.8	79.2	81.3	82.3	84.1	84.9	86.0	87.3	87.3	88.4	88.9	89.0	89.5	89.6	89.7	90.1
0.025	73.1	79.7	81.7	82.7	84.5	85.4	86.5	87.7	87.7	88.8	89.4	89.5	89.9	90.0	90.2	90.6
0.01	73.5	80.2	82.4	83.5	85.4	86.2	87.4	88.8	88.8	90.2	91.0	91.1	91.5	91.6	91.9	92.3
0.005	73.9	81.0	83.1	84.4	86.9	87.7	88.9	90.6	90.6	92.4	93.3	93.4	93.9	94.0	94.2	94.6
0.0025	74.2	81.6	84.1	85.4	87.8	88.8	90.1	92.0	92.0	93.8	94.7	94.8	95.3	95.4	95.7	96.1
0.001	74.2	82.0	84.5	85.8	88.5	89.5	90.9	93.1	93.2	95.2	96.2	96.3	96.9	97.0	97.3	97.7
0.0005	74.4	82.3	84.7	86.0	88.8	89.8	91.4	93.8	93.9	96.0	97.3	97.4	98.1	98.4	98.9	99.6
0.00025	74.4	82.3	84.7	86.0	88.8	89.8	91.4	93.8	93.9	96.0	97.4	97.5	98.2	98.5	99.0	99.9
0.0001	74.4	82.3	84.7	86.0	88.8	89.8	91.4	93.8	93.9	96.0	97.4	97.5	98.2	98.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-02

216

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

303-050

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING ≥ 20000	45.9	47.1	47.4	47.6	48.9	48.9	49.1	49.1	49.1	49.2	49.5	49.5	49.5	49.6	49.8	50.7
≥ 18000	45.6	50.1	50.4	50.9	52.2	52.2	52.4	52.4	52.4	52.5	52.7	52.7	52.7	52.8	53.2	53.2
≥ 16000	49.0	50.5	50.9	51.3	52.6	52.6	52.8	52.8	52.8	52.9	53.1	53.1	53.1	53.2	53.4	53.7
≥ 14000	49.1	50.6	51.2	51.4	52.7	52.7	52.9	52.9	52.9	53.0	53.2	53.2	53.2	53.3	53.5	53.8
≥ 12000	49.1	50.6	51.2	51.4	52.7	52.7	52.9	52.9	52.9	53.0	53.2	53.2	53.2	53.3	53.5	53.8
≥ 10000	50.5	52.2	52.4	52.6	54.1	54.1	54.3	54.3	54.3	54.4	54.6	54.6	54.6	54.7	54.9	55.2
≥ 8000	52.6	54.1	54.4	54.8	56.1	56.1	56.3	56.3	56.3	56.5	56.7	56.7	56.7	56.8	57.0	57.2
≥ 6000	53.7	54.6	55.2	55.6	56.9	56.9	57.1	57.1	57.1	57.2	57.4	57.4	57.4	57.5	57.7	58.1
≥ 4000	55.4	57.3	57.6	58.1	59.4	59.4	59.6	59.6	59.6	59.7	59.9	59.9	59.9	60.0	60.2	60.4
≥ 2000	56.6	58.5	58.8	59.2	60.5	60.5	60.9	60.9	60.9	61.2	61.4	61.4	61.4	61.5	61.7	61.9
≥ 1000	57.4	59.4	59.7	60.2	61.6	61.6	61.9	61.9	61.9	62.3	62.5	62.5	62.5	62.6	62.8	63.0
≥ 500	58.9	61.2	61.5	62.3	63.7	63.7	64.0	64.0	64.0	64.3	64.5	64.5	64.5	64.6	64.8	65.1
≥ 250	60.3	62.4	62.7	63.5	64.9	64.9	65.3	65.3	65.3	65.6	65.8	65.8	65.8	65.9	66.1	66.3
≥ 150	61.5	64.1	64.5	65.4	66.9	66.9	67.4	67.4	67.4	67.7	68.2	68.2	68.2	68.3	68.5	68.7
≥ 100	62.4	65.2	65.7	66.6	68.1	68.1	68.6	68.6	68.6	69.0	69.5	69.5	69.5	69.6	69.8	70.0
≥ 75	63.3	66.5	67.0	67.6	69.4	69.4	69.9	69.9	69.9	70.4	70.9	70.9	70.9	71.0	71.2	71.4
≥ 50	64.7	68.4	68.9	69.9	71.6	71.7	72.9	73.0	73.0	73.5	74.0	74.0	74.0	74.1	74.3	74.5
≥ 25	65.9	70.5	71.3	72.3	74.2	74.3	75.4	75.6	75.6	76.1	76.6	76.6	76.6	76.7	76.9	77.1
≥ 15	66.5	71.1	71.8	72.8	74.9	75.1	76.1	76.5	76.5	77.0	77.4	77.4	77.4	77.5	77.7	78.0
≥ 10	67.4	72.5	73.2	74.3	76.6	76.7	78.0	78.4	78.4	79.1	79.7	79.7	79.7	79.8	80.0	80.2
≥ 7	69.5	74.9	75.8	77.0	79.2	79.4	80.9	81.5	81.5	82.3	82.9	82.9	82.9	83.0	83.2	83.4
≥ 5	70.8	76.5	77.3	78.5	81.0	81.2	82.7	83.4	83.4	84.5	85.2	85.2	85.2	85.6	85.9	86.1
≥ 3	71.4	77.3	78.3	79.6	82.3	82.6	84.1	84.9	84.9	86.0	87.1	87.1	87.1	87.6	87.7	88.0
≥ 2	71.7	77.7	78.7	80.4	83.2	83.5	85.1	86.0	86.0	87.2	88.5	88.5	88.5	89.2	89.4	89.6
≥ 1	72.2	78.2	79.2	81.0	83.8	84.1	85.7	87.0	87.0	88.3	89.7	89.8	89.8	90.3	90.6	90.9
≥ 0.5	72.2	78.3	79.4	81.2	84.0	84.3	86.2	87.6	87.6	89.5	91.0	91.0	91.0	91.6	91.9	92.2
≥ 0.25	72.7	79.4	80.5	82.4	85.6	85.9	88.0	89.7	89.7	91.5	93.2	93.3	93.3	93.9	94.0	94.4
≥ 0.1	73.5	80.6	81.8	83.7	86.9	87.2	89.2	91.2	91.2	93.0	94.7	94.8	94.8	95.4	95.5	95.9
≥ 0.05	74.0	81.2	82.4	84.2	87.5	87.8	89.9	91.8	91.8	93.3	95.7	95.8	95.8	96.5	96.6	97.1
≥ 0.025	74.1	81.3	82.5	84.3	87.6	88.0	90.1	92.0	92.0	94.0	96.5	96.8	96.8	97.5	97.6	98.1
≥ 0.01	74.1	81.3	82.5	84.3	87.6	88.0	90.1	92.0	92.0	94.0	96.5	96.8	96.8	97.5	97.6	98.1

TOTAL NUMBER OF OBSERVATIONS 93.1

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

STATION NAME

73-32

YEAR

245

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

333-1120

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
≥20000	41.1	43.9	45.4	45.6	46.7	46.1	46.5	46.6	46.6	46.7	46.8	46.9	47.1	47.2	47.5	47.7
≥18000	44.2	47.3	48.9	49.1	49.6	49.7	50.1	50.2	50.2	50.3	50.4	50.5	50.8	51.0	51.2	51.4
≥16000	45.1	48.2	49.5	50.0	50.4	50.5	51.0	51.1	51.1	51.2	51.3	51.4	51.6	51.8	52.0	52.3
≥14000	46.2	49.4	51.0	51.2	51.6	51.7	52.2	52.3	52.3	52.4	52.5	52.6	52.8	53.0	53.2	53.4
≥12000	47.2	50.4	52.0	52.3	52.7	52.8	53.2	53.3	53.3	53.4	53.5	53.7	53.9	54.1	54.3	54.5
≥10000	51.4	55.4	57.0	57.2	57.6	57.7	58.2	58.3	58.3	58.4	58.5	58.6	58.8	59.0	59.2	59.5
≥8000	52.4	56.7	58.3	58.5	58.9	59.0	59.5	59.6	59.6	59.7	59.8	59.9	60.1	60.3	60.5	60.8
≥6000	54.3	58.3	59.9	60.3	60.9	61.0	61.4	61.6	61.7	61.8	61.9	62.2	62.5	62.7	62.9	63.1
≥4000	55.3	60.0	61.7	62.2	62.7	62.8	63.3	63.5	63.7	63.8	63.9	64.1	64.4	64.6	64.8	65.1
≥2000	57.3	62.7	64.5	64.9	65.6	65.7	66.2	66.5	66.6	66.7	66.8	67.1	67.4	67.6	67.8	68.1
≥1000	58.5	63.9	66.1	66.6	67.3	67.4	68.0	68.2	68.3	68.4	68.5	68.8	69.1	69.4	69.6	69.8
≥500	59.7	64.3	66.6	67.0	67.7	67.8	68.4	68.7	68.8	68.9	69.1	69.4	69.7	69.9	70.1	70.3
≥250	59.8	65.4	67.7	68.2	69.0	69.2	69.9	70.2	70.3	70.4	70.6	70.9	71.2	71.4	71.6	71.8
≥125	60.2	67.1	69.6	70.0	70.9	71.1	71.8	72.2	72.4	72.5	72.7	72.9	73.2	73.4	73.7	73.9
≥62.5	61.5	68.2	70.6	71.2	72.0	72.3	73.1	73.4	73.7	73.8	74.0	74.2	74.5	74.7	74.9	75.2
≥31.25	62.4	69.1	71.7	72.4	73.4	73.7	74.7	75.1	75.3	75.4	75.6	75.8	76.1	76.3	76.5	76.8
≥15.625	62.8	69.7	72.3	72.9	74.0	74.2	75.3	75.6	75.8	75.9	76.1	76.3	76.7	76.9	77.1	77.3
≥7.8125	64.5	71.7	74.4	75.3	76.5	76.8	78.1	78.5	78.7	78.8	79.0	79.2	79.6	79.8	80.0	80.2
≥3.90625	66.0	74.1	77.0	78.1	79.6	79.9	81.3	82.0	82.6	82.8	83.4	83.7	84.1	84.3	84.7	84.9
≥1.953125	66.3	74.6	77.6	78.9	80.4	80.8	82.3	83.1	83.8	84.5	85.3	85.5	86.2	86.5	86.9	87.1
≥0.9765625	66.3	75.2	78.2	79.5	81.1	81.5	83.0	84.0	84.6	85.7	86.6	86.8	87.5	87.7	88.3	88.5
≥0.48828125	67.1	75.6	78.6	79.9	81.5	82.0	83.5	84.5	85.2	86.5	87.3	87.7	88.5	88.7	89.5	89.7
≥0.244140625	67.3	76.1	79.2	80.9	82.5	83.0	84.7	85.7	86.3	87.8	88.7	89.1	90.1	90.4	91.4	91.6
≥0.1220703125	67.5	76.7	79.9	81.7	83.3	83.9	85.7	86.8	87.5	89.0	90.1	90.5	91.6	92.2	93.1	93.3
≥0.06103515625	67.6	77.2	80.6	82.6	84.3	84.8	86.8	87.8	88.5	90.2	91.3	91.8	93.0	93.5	94.5	94.7
≥0.030517578125	67.7	77.5	81.2	83.3	85.3	85.9	88.2	89.2	90.0	91.6	92.8	93.3	94.6	95.2	96.1	96.3
≥0.0152587890625	67.7	77.6	81.5	83.7	85.6	86.2	88.5	89.7	90.5	92.2	93.4	94.0	95.5	96.1	97.2	97.4
≥0.00762939453125	67.7	77.6	81.5	83.8	85.7	86.3	88.6	89.8	90.6	92.5	94.1	94.7	96.3	97.2	98.9	99.1
≥0.003814697265625	67.7	77.6	81.5	83.8	85.7	86.3	88.6	89.8	90.6	92.5	94.1	94.7	96.5	97.3	99.0	99.9
≥0.0019073486328125	67.7	77.6	81.5	83.8	85.7	86.3	88.6	89.8	90.6	92.5	94.1	94.7	96.5	97.3	99.0	99.9

TOTAL NUMBER OF OBSERVATIONS 937

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575

MINOT AFB ND

73-82

2-5

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-14-82

CEILING FEET	VISIBILITY, STATUTE MILES															
	210	20	25	24	23	22	22	21	21	21	20	20	20	20	20	20
27000	43.2	47.1	47.7	48.2	48.9	48.9	49.1	49.4	49.7	49.9	49.9	49.9	50.1	50.4	50.5	
26000	46.1	50.1	51.1	51.6	52.5	52.6	52.7	52.9	53.1	53.4	53.7	53.7	53.9	54.2	54.3	
25000	46.9	50.9	51.8	52.4	53.2	53.3	53.4	53.7	53.9	54.2	54.4	54.4	54.6	54.9	55.1	
24000	47.3	51.3	52.3	52.8	53.7	53.6	53.9	54.1	54.3	54.6	54.8	54.8	54.9	55.1	55.4	
23000	47.3	51.4	52.4	52.9	53.8	53.9	54.2	54.2	54.4	54.7	54.9	54.9	54.9	55.2	55.5	
22000	49.8	53.1	54.1	54.6	55.5	55.6	55.7	55.9	56.1	56.5	56.7	56.7	56.7	56.9	57.2	
21000	53.7	56.3	59.7	59.9	61.1	61.2	61.3	61.5	61.7	62.0	62.3	62.3	62.3	62.5	62.8	
20000	54.7	61.0	61.0	61.6	62.8	62.9	63.0	63.2	63.4	63.8	64.0	64.2	64.2	64.2	64.5	
19000	57.0	62.2	63.2	64.2	65.4	65.5	65.7	65.9	66.1	66.5	66.7	66.7	66.7	66.9	67.2	
18000	53.7	64.2	65.3	66.2	67.4	67.5	68.0	68.2	68.4	68.7	68.9	68.9	68.9	69.1	69.5	
17000	59.7	64.6	65.7	66.7	67.8	68.0	68.4	68.6	68.8	69.1	69.4	69.4	69.4	69.6	69.9	
16000	57.9	65.9	67.0	68.1	69.2	69.5	70.0	70.2	70.5	70.9	71.1	71.1	71.1	71.3	71.6	
15000	53.4	66.6	67.7	68.8	70.1	70.3	70.9	71.2	71.5	71.8	72.0	72.0	72.0	72.3	72.5	
14000	51.2	67.5	68.7	69.9	71.5	71.7	72.4	72.7	73.0	73.3	73.5	73.5	73.5	73.8	74.1	
13000	51.7	68.3	69.5	70.8	72.5	72.7	73.3	73.7	74.0	74.3	74.5	74.5	74.5	74.7	75.1	
12000	52.6	69.6	71.2	72.3	74.0	74.2	74.9	75.6	76.0	76.5	76.7	76.7	76.7	76.9	77.2	
11000	53.1	70.4	71.8	73.3	75.3	75.5	76.2	77.1	77.5	78.0	78.3	78.3	78.3	78.5	78.8	
10000	53.7	71.1	72.6	74.3	76.2	76.5	77.2	78.1	78.5	78.9	79.2	79.2	79.2	79.5	79.8	
9000	53.9	71.7	73.2	74.9	76.9	77.2	78.1	78.9	79.4	79.9	80.2	80.2	80.2	80.4	80.8	
8000	54.7	73.1	74.6	76.6	78.8	79.1	80.2	81.2	81.6	82.2	82.5	82.5	82.5	82.7	83.0	
7000	55.6	74.6	76.7	78.8	81.1	81.9	83.1	84.4	84.8	85.9	86.3	86.3	86.3	86.6	86.9	
6000	56.1	75.4	77.4	79.6	81.8	82.8	84.2	85.6	86.0	87.3	87.8	87.8	87.8	88.1	88.4	
5000	56.8	76.5	78.8	81.0	83.3	84.3	85.8	87.5	88.2	89.5	90.0	90.0	90.0	90.4	90.8	
4000	56.9	76.8	79.1	81.4	83.8	84.7	86.2	88.0	88.5	89.9	90.8	90.8	90.8	91.2	91.5	
3000	57.2	77.2	79.6	81.9	84.3	85.3	86.9	88.6	89.2	90.5	91.4	91.5	91.5	92.2	92.6	
2000	57.6	78.4	81.0	83.5	85.9	86.9	88.6	90.3	91.0	92.3	93.2	93.3	93.4	94.0	94.4	
1000	57.8	79.1	81.9	84.5	86.9	87.8	89.7	91.5	92.2	93.4	94.4	94.5	94.6	95.2	95.6	
500	57.8	79.5	82.3	85.1	87.6	88.8	90.9	92.8	93.5	95.3	96.5	96.6	97.0	97.5	98.0	
200	57.8	79.5	82.3	85.1	87.6	88.8	90.9	92.8	93.5	95.4	96.7	96.8	97.2	97.8	98.6	
100	57.8	79.5	82.3	85.1	87.6	88.8	90.9	92.8	93.5	95.4	96.7	96.8	97.2	98.0	99.0	
50	57.8	79.5	82.3	85.1	87.6	88.8	90.9	92.8	93.5	95.4	96.7	96.8	97.2	98.0	99.0	

TOTAL NUMBER OF OBSERVATIONS

230

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFS WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND

73-82

765

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1507-172

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	26	28	24	23	22	20	20	21	21	21	21	21	21	25	26
1000	43.3	45.4	45.7	45.8	46.7	46.7	46.7	46.9	46.9	47.5	48.1	48.1	48.2	48.3	48.3	48.6
900	47.4	49.7	50.1	50.3	51.3	51.4	51.5	51.7	51.7	52.5	52.9	52.9	53.0	53.3	53.3	53.7
800	48.3	50.5	51.7	51.2	52.2	52.3	52.4	52.6	52.6	53.3	53.8	53.8	53.9	54.2	54.2	54.5
700	48.4	50.6	51.1	51.3	52.3	52.4	52.5	52.7	52.7	53.4	53.9	53.9	54.1	54.3	54.3	54.6
600	50.4	52.8	53.2	53.4	54.5	54.6	54.7	54.9	54.9	55.7	56.1	56.1	56.2	56.6	56.6	56.9
500	54.7	57.2	58.1	58.2	59.2	59.4	59.5	59.7	59.7	60.4	60.9	60.9	61.7	61.3	61.3	61.6
400	57.2	59.7	60.5	60.8	61.9	62.1	62.2	62.4	62.4	63.1	63.5	63.5	63.7	64.2	64.2	64.3
300	59.9	62.6	63.5	64.1	65.5	65.7	65.8	66.0	66.1	66.8	67.2	67.2	67.3	67.6	67.6	68.0
200	61.7	64.7	65.7	66.3	67.7	68.2	68.4	68.6	68.6	69.4	69.8	69.8	69.9	70.2	70.2	70.5
100	62.2	65.4	66.5	67.1	68.5	68.9	69.1	69.4	69.4	70.1	70.5	70.5	70.6	71.1	71.1	71.3
50	63.1	66.3	67.5	68.4	69.9	70.4	70.6	70.9	70.9	71.8	72.3	72.3	72.4	72.7	72.7	73.0
0	64.5	68.4	69.7	70.6	72.4	72.9	73.2	73.4	73.4	74.4	74.8	74.8	74.9	75.3	75.3	75.6
1000	64.8	69.1	70.4	71.6	73.3	73.9	74.2	74.4	74.4	75.7	76.1	76.1	76.2	76.6	76.6	76.9
900	65.4	69.9	71.3	72.5	74.3	74.8	75.3	75.5	75.6	76.9	77.3	77.3	77.4	77.7	77.7	78.1
800	66.1	70.9	72.3	73.4	75.5	76.0	76.6	77.0	77.1	78.4	78.9	78.9	79.0	79.4	79.4	79.7
700	66.5	71.4	72.8	74.3	76.6	77.2	77.7	78.4	78.7	80.1	80.8	80.8	80.9	81.2	81.2	81.5
600	66.8	71.7	73.4	74.8	77.2	78.1	78.6	79.4	79.7	81.1	81.7	81.7	81.8	82.2	82.2	82.5
500	67.7	72.7	74.5	76.1	78.6	79.5	80.0	81.2	81.6	83.0	83.7	83.7	83.8	84.1	84.1	84.4
400	68.4	73.9	75.8	77.5	80.3	81.3	82.0	83.3	83.9	85.3	86.0	86.0	86.1	86.5	86.5	86.8
300	69.5	75.7	77.7	79.5	82.4	83.5	84.4	85.7	86.5	88.0	89.0	89.0	89.1	89.5	89.5	90.0
200	69.9	76.3	78.6	80.4	83.3	84.5	85.4	86.7	87.4	88.9	90.1	90.1	90.2	90.5	90.8	91.1
100	70.0	76.5	78.9	80.8	83.7	84.8	85.7	87.2	88.3	89.9	91.1	91.1	91.2	91.5	91.7	92.0
50	70.3	77.5	80.2	82.0	85.1	86.2	87.1	88.6	89.7	91.3	92.5	92.5	92.6	92.9	93.1	93.5
0	70.3	77.6	80.3	82.2	85.2	86.3	87.4	88.9	90.1	91.7	93.0	93.0	93.1	93.5	93.8	94.4
1000	70.3	78.0	80.8	82.9	86.2	87.4	88.7	90.2	91.4	93.1	94.4	94.5	94.6	94.9	95.2	95.9
900	70.3	78.2	81.2	83.4	87.0	88.3	89.6	91.1	92.3	94.1	95.8	95.9	96.1	96.5	96.7	97.4
800	70.3	78.2	81.2	83.4	87.2	88.5	89.8	91.5	92.7	94.8	96.7	96.8	97.3	97.8	98.1	98.8
700	70.3	78.2	81.2	83.4	87.2	88.5	89.8	91.5	92.7	94.8	96.8	97.1	97.7	98.3	98.5	99.2
600	70.3	78.2	81.2	83.4	87.2	88.5	89.8	91.5	92.7	94.8	96.8	97.1	97.7	98.4	98.5	99.7
500	70.3	78.2	81.2	83.4	87.2	88.5	89.8	91.5	92.7	94.8	96.8	97.1	97.7	98.4	98.5	99.7

TOTAL NUMBER OF OBSERVATIONS 937

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575
STATION

MINOT AFB MD

STATION NAME

73-87

YEAR

265

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-1-1977

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING ≥20000	44.3	45.4	45.6	46.2	45.3	46.5	46.7	46.9	46.9	46.9	47.4	47.6	47.6	47.7	47.7	48.0
≥18000	45.4	49.2	51.2	52.7	51.9	51.1	51.3	51.6	51.6	52.0	52.2	52.2	52.4	52.4	52.4	52.8
≥16000	47.6	51.2	51.5	52.0	52.2	52.4	52.6	52.9	52.9	53.3	53.5	53.5	53.7	53.7	53.7	54.0
≥14000	49.7	51.3	51.6	52.1	52.3	52.5	52.8	53.2	53.2	53.4	53.6	53.6	53.6	53.6	53.8	54.2
≥12000	51.4	52.0	52.2	52.6	53.0	53.2	53.4	53.6	53.6	54.0	54.3	54.3	54.5	54.5	54.5	54.8
≥10000	52.8	54.4	54.6	55.1	55.3	55.6	55.8	56.2	56.2	56.4	56.6	56.6	56.9	56.9	56.9	57.2
≥8000	55.8	57.5	57.7	58.3	58.6	58.8	59.2	59.2	59.2	59.7	59.9	59.9	60.1	60.1	60.1	60.4
≥6000	56.9	58.9	59.1	59.8	60.1	60.4	60.6	60.8	60.8	61.3	61.5	61.5	61.7	61.7	61.7	62.0
≥4000	60.9	64.0	64.5	65.3	65.7	66.0	66.2	66.5	66.5	66.9	67.1	67.1	67.3	67.3	67.3	67.6
≥3000	61.8	65.2	65.6	66.6	67.0	67.3	67.5	67.7	67.7	68.2	68.4	68.4	68.6	68.6	68.6	68.9
≥2000	62.6	66.1	66.8	67.5	68.0	68.3	68.5	68.7	68.7	69.1	69.5	69.5	69.7	69.7	69.7	70.0
≥1500	63.2	68.1	68.6	69.7	70.1	70.4	70.7	70.9	70.9	71.4	71.7	71.7	72.0	72.0	72.0	72.3
≥1000	65.0	69.3	70.7	70.9	71.3	71.6	71.8	72.1	72.1	72.6	72.9	72.9	73.1	73.1	73.1	73.5
≥800	66.8	71.1	71.6	72.7	73.2	73.6	73.8	74.0	74.0	74.6	75.0	75.0	75.2	75.2	75.2	75.5
≥600	66.5	74.2	75.2	76.3	77.3	77.7	78.0	78.2	78.2	78.9	79.2	79.2	79.4	79.4	79.4	79.7
≥400	69.3	75.4	76.4	77.6	78.9	79.2	79.6	79.8	79.8	80.5	80.8	80.8	81.0	81.0	81.0	81.3
≥300	69.9	76.5	77.6	79.0	80.4	80.7	81.1	81.3	81.3	82.0	82.3	82.3	82.5	82.5	82.5	82.8
≥200	70.1	77.0	78.2	79.7	81.2	81.6	82.0	82.2	82.2	82.8	83.2	83.2	83.4	83.4	83.4	83.7
≥150	70.6	78.0	79.4	80.9	82.5	82.8	83.5	83.8	83.8	84.5	84.9	84.9	85.1	85.1	85.1	85.4
≥100	71.0	78.4	80.2	81.7	83.3	83.6	84.3	84.7	84.7	85.3	85.9	85.9	86.1	86.1	86.1	86.4
≥75	72.3	79.8	81.7	83.2	84.8	85.1	85.9	86.3	86.7	87.6	88.1	88.1	88.3	88.3	88.7	89.0
≥50	72.4	80.4	82.2	83.7	85.5	85.9	86.6	87.1	87.5	88.7	89.2	89.2	89.5	89.5	89.9	90.2
≥25	73.3	81.1	83.0	84.5	86.3	86.6	87.5	87.9	88.5	89.8	90.4	90.4	90.7	90.7	91.2	91.5
≥15	73.4	81.7	83.5	85.0	86.8	87.2	88.0	88.7	89.3	90.7	91.4	91.4	91.8	91.8	92.2	92.7
≥10	73.6	82.3	84.1	85.7	87.5	87.8	88.8	89.4	90.1	91.6	92.2	92.2	92.7	92.7	93.1	93.5
≥7.5	74.0	83.4	85.4	87.1	89.0	89.4	90.5	91.4	92.0	93.5	94.4	94.4	94.8	94.8	95.3	95.7
≥5.0	74.1	83.9	86.2	87.8	90.0	90.4	91.6	92.6	93.2	95.0	96.0	96.0	96.4	96.4	96.9	97.3
≥2.5	74.1	83.9	86.2	87.8	90.0	90.4	91.6	92.6	93.2	95.0	96.0	96.0	96.4	96.4	96.9	97.3
≥1.5	74.1	84.0	86.3	87.9	90.1	90.5	91.8	93.2	93.9	96.5	98.1	98.2	98.9	98.9	99.5	99.9
≥1.0	74.1	84.0	86.3	87.9	90.1	90.5	91.8	93.2	93.9	96.5	98.1	98.2	98.9	98.9	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAD

CEILING VERSUS VISIBILITY

12/5/75 MINCT AFB MD 73-02 240
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS) 11-2-2133

ELEVATION FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
2000	42.5	43.7	44.4	44.6	45.1	45.2	45.4	45.5	45.5	45.7	45.7	45.8	45.9	46.1	46.3	46.4
1800	47.7	49.6	51.2	51.4	51.1	51.2	51.3	51.4	51.4	51.6	51.6	51.7	51.8	52.1	52.3	52.4
1600	43.4	50.0	50.5	50.9	51.5	51.6	51.7	51.8	51.8	52.1	52.1	52.2	52.3	52.5	52.7	52.8
1400	42.4	50.2	50.6	50.9	51.5	51.6	51.7	51.8	51.8	52.1	52.1	52.2	52.3	52.5	52.7	52.8
1200	49.1	50.8	51.4	51.6	52.3	52.4	52.5	52.6	52.6	52.8	52.8	52.9	53.0	53.2	53.5	53.6
1000	52.6	52.4	53.0	53.2	53.9	54.0	54.1	54.2	54.2	54.4	54.4	54.5	54.6	54.9	55.1	55.2
800	53.6	53.6	56.3	56.5	57.1	57.2	57.3	57.5	57.5	57.7	57.7	57.8	57.9	58.1	58.3	58.4
600	54.1	56.3	56.2	57.1	57.8	57.9	58.0	58.1	58.1	58.3	58.3	58.4	58.5	58.7	59.0	59.1
400	57.6	60.4	61.1	61.3	62.0	62.1	62.3	62.4	62.4	62.6	62.6	62.7	62.9	63.1	63.3	63.4
200	59.2	62.3	63.1	63.4	64.1	64.3	64.5	64.7	64.7	64.9	64.9	65.0	65.1	65.3	65.5	65.7
000	54.8	63.1	63.8	64.1	64.9	65.0	65.2	65.4	65.4	65.7	65.9	66.0	66.1	66.3	66.5	66.6
1800	62.7	64.3	65.1	65.3	66.1	66.2	66.4	66.7	66.7	67.0	67.2	67.3	67.4	67.6	67.8	67.9
1600	61.4	65.0	65.8	66.1	66.8	67.0	67.2	67.5	67.5	67.7	67.9	68.0	68.1	68.4	68.6	68.7
1400	64.8	68.5	69.4	69.6	70.5	70.6	70.8	71.2	71.2	71.4	71.6	71.7	71.8	72.0	72.2	72.4
1200	65.3	70.3	71.3	71.6	72.4	72.5	72.7	73.0	73.0	73.4	73.7	73.8	73.9	74.1	74.3	74.4
1000	67.1	72.5	73.4	73.9	74.7	74.8	75.1	75.4	75.4	75.8	76.0	76.1	76.2	76.5	76.7	76.8
800	67.8	73.5	74.5	75.4	76.5	76.6	76.8	77.1	77.1	77.5	77.8	77.9	78.0	78.2	78.4	78.5
600	68.3	74.4	75.5	76.6	78.2	78.5	78.7	79.0	79.0	79.5	79.7	79.8	79.9	80.1	80.3	80.5
400	68.7	75.2	76.7	77.6	79.0	79.4	79.6	79.9	79.9	80.3	80.6	80.7	80.8	81.0	81.2	81.3
200	69.4	76.2	77.9	78.8	80.5	80.9	81.3	81.6	81.6	82.1	82.3	82.4	82.5	82.7	82.9	83.0
000	70.2	77.2	78.9	79.9	81.6	82.1	82.7	83.3	83.3	83.9	84.2	84.3	84.4	84.7	84.9	85.0
1800	71.7	77.2	77.7	80.6	82.6	83.0	83.9	84.4	84.6	85.2	86.0	86.3	86.4	86.6	86.9	87.0
1600	72.1	79.5	81.4	82.5	84.4	84.9	85.7	86.4	86.6	87.7	88.4	89.0	89.1	89.3	89.6	89.7
1400	72.7	80.2	82.2	83.0	85.3	85.7	86.6	87.3	87.5	88.9	89.0	89.5	89.6	90.0	90.1	90.3
1200	72.9	80.5	82.4	83.5	85.5	86.0	86.8	87.6	87.8	89.4	90.5	91.0	91.1	91.4	91.7	91.8
1000	73.2	81.0	83.0	84.1	86.2	86.6	87.5	88.2	88.4	90.2	91.3	91.8	91.9	92.1	92.4	92.5
800	73.3	81.6	84.3	85.4	87.7	88.1	89.0	89.8	90.2	92.1	93.5	94.1	94.2	94.4	94.7	94.8
600	73.5	82.4	85.2	86.3	88.7	89.1	90.2	91.0	91.4	93.3	95.0	95.6	95.7	95.9	96.2	96.3
400	73.5	82.5	85.3	86.4	88.9	89.3	90.6	91.9	92.4	94.6	96.5	97.1	97.2	97.4	98.1	98.2
200	73.7	82.7	85.5	86.6	89.1	89.5	90.9	92.2	92.8	95.1	97.5	98.1	98.2	98.4	99.0	99.4
000	73.7	82.7	85.5	86.6	89.1	89.5	90.9	92.2	92.8	95.1	97.6	98.2	98.4	98.6	99.6	99.9
	73.7	82.7	85.5	86.6	89.1	89.5	90.9	92.2	92.8	95.1	97.6	98.2	98.4	98.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 924

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727575 MINOT AFB ND 73-02 2-0
STATION STATION NAME YEAR
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ELEVATION FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
0-100	43.6	45.5	46.1	46.4	47.1	47.2	47.4	47.5	47.8	48.1	48.1	48.2	48.4	48.5	48.6	48.6
101-200	47.2	49.5	50.1	50.5	51.2	51.3	51.5	51.7	51.7	52.7	52.2	52.2	52.4	52.6	52.7	53.1
201-300	47.8	51.1	51.6	51.1	51.9	52.3	52.2	52.4	52.4	52.7	52.9	52.9	53.1	53.2	53.4	53.7
301-400	48.1	51.3	51.3	52.1	52.2	52.4	52.5	52.5	52.7	53.1	53.1	53.2	53.4	53.6	53.6	53.8
401-500	48.5	51.8	51.5	51.8	52.6	52.7	52.9	53.1	53.1	53.4	53.6	53.6	53.8	53.9	54.1	54.4
501-600	50.0	52.3	53.7	53.3	54.1	54.2	54.4	54.6	54.6	54.9	55.1	55.1	55.3	55.5	55.5	55.9
601-700	53.3	55.9	56.6	57.0	57.8	57.9	58.1	58.3	58.3	58.6	58.9	58.9	59.0	59.2	59.3	59.6
701-800	54.3	57.2	57.9	58.3	59.1	59.2	59.5	59.6	59.6	59.9	60.1	60.2	60.3	60.5	60.6	60.9
801-900	55.9	61.1	61.7	61.5	62.4	62.5	62.7	62.9	63.0	63.3	63.5	63.5	63.7	63.9	64.1	64.3
901-1000	58.3	61.7	62.5	63.1	64.2	64.2	64.5	64.7	64.8	65.1	65.3	65.4	65.5	65.7	65.8	66.1
1001-1100	58.9	62.5	63.4	64.0	64.9	65.1	65.4	65.6	65.7	66.1	66.3	66.4	66.5	66.7	66.8	67.1
1101-1200	60.2	64.2	65.1	65.7	66.7	66.9	67.3	67.5	67.6	68.0	68.2	68.3	68.5	68.6	68.8	69.2
1201-1300	61.1	65.0	66.0	66.7	67.7	67.9	68.2	68.5	68.5	68.9	69.2	69.3	69.4	69.6	69.7	70.0
1301-1400	62.5	66.7	67.9	68.6	69.7	69.9	70.3	70.6	70.6	71.0	71.4	71.4	71.6	71.7	71.9	72.2
1401-1500	63.4	67.9	69.1	69.9	71.1	71.3	71.7	72.0	72.0	72.6	72.9	72.9	73.1	73.3	73.4	73.7
1501-1600	64.4	69.4	70.7	71.5	72.7	72.9	73.4	73.7	73.8	74.4	74.7	74.7	74.9	75.1	75.2	75.5
1601-1700	65.2	70.6	71.9	72.6	74.3	74.5	75.2	75.6	75.7	76.2	76.5	76.6	76.8	77.0	77.1	77.4
1701-1800	66.0	71.8	73.3	74.3	75.9	76.3	76.9	77.4	77.5	78.1	78.4	78.5	78.6	78.8	79.0	79.2
1801-1900	66.3	72.4	74.0	75.0	76.7	77.1	77.8	78.3	78.4	79.0	79.4	79.4	79.6	79.8	79.9	80.2
1901-2000	67.4	73.8	75.5	76.7	78.6	78.9	79.8	80.5	80.6	81.2	81.6	81.7	81.9	82.0	82.2	82.4
2001-2100	63.5	75.3	77.3	78.5	80.5	81.0	82.1	82.9	83.1	83.9	84.4	84.4	84.6	84.8	85.0	85.0
2101-2200	66.4	76.6	78.6	79.9	82.0	82.6	83.7	84.7	85.0	86.0	86.5	86.7	87.1	87.2	87.5	87.8
2201-2300	70.0	77.3	79.5	80.9	83.1	83.7	84.9	85.9	86.3	87.4	88.3	88.4	88.7	89.0	89.2	89.5
2301-2400	71.3	77.8	80.1	81.5	83.8	84.4	85.6	86.7	87.1	88.4	89.4	89.5	89.9	90.1	90.5	90.8
2401-2500	71.6	78.3	80.6	82.1	84.5	85.1	86.4	87.6	88.0	89.4	90.4	90.6	91.0	91.2	91.6	91.9
2501-2600	72.8	78.8	81.2	82.6	85.1	85.8	87.2	88.5	88.9	90.5	91.6	91.8	92.2	92.5	92.8	93.0
2601-2700	71.1	79.6	82.2	83.9	86.5	87.1	88.7	90.0	90.5	92.2	93.4	93.6	94.1	94.4	94.7	95.1
2701-2800	71.4	80.2	82.9	84.7	87.4	88.1	89.8	91.2	91.7	93.4	94.9	95.1	95.6	95.9	96.2	96.6
2801-2900	71.5	80.4	83.2	84.9	87.8	88.5	90.3	91.9	92.4	94.3	95.9	96.1	96.8	97.1	97.6	98.0
2901-3000	71.5	80.5	83.3	85.0	87.9	88.6	90.4	92.1	92.6	94.7	96.6	96.8	97.5	98.0	98.7	99.3
3001-3100	71.5	80.5	83.3	85.0	87.9	88.6	90.4	92.1	92.6	94.7	96.7	96.9	97.7	98.1	99.1	99.8
3101-3200	71.5	80.5	83.3	85.0	87.9	88.6	90.4	92.1	92.6	94.7	96.7	96.9	97.7	98.2	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 7433

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

727675

MINOT AFB ND

73-32

STATION NAME

UNIT

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

		VISIBILITY IN STATUTE MILES															
		20	26	28	24	26	22	24	20	22	18	20	16	18	14	16	12
1000	55.6	56.2	56.5	56.8	57.1	57.2	57.3	57.4	57.4	57.5	57.5	57.6	57.6	57.6	57.7	57.7	57.7
900	59.6	60.9	61.3	61.5	61.9	62.2	62.2	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.5	62.5	62.5
800	61.2	61.6	62.1	62.2	62.5	62.6	62.7	62.8	62.8	62.9	63.0	63.1	63.1	63.1	63.2	63.2	63.2
700	62.7	64.2	64.5	64.6	65.1	65.2	65.3	65.4	65.4	65.5	65.6	65.6	65.7	65.7	65.8	65.8	65.8
600	65.8	67.5	67.7	68.1	68.5	68.6	68.7	68.8	68.8	68.9	69.0	69.0	69.1	69.1	69.2	69.2	69.2
500	69.9	68.5	68.2	69.2	69.6	69.6	69.8	69.9	69.9	70.0	70.1	70.1	70.2	70.2	70.2	70.3	70.3
400	68.3	71.2	71.7	72.0	72.4	72.5	72.6	72.7	72.7	72.9	72.9	73.0	73.0	73.1	73.1	73.2	73.2
300	71.8	72.8	73.3	73.6	74.1	74.1	74.3	74.4	74.4	74.6	74.6	74.7	74.7	74.8	74.8	74.9	74.9
200	71.8	74.3	74.5	74.8	75.3	75.4	75.5	75.6	75.7	75.8	75.9	75.9	75.9	76.0	76.0	76.1	76.1
100	73.5	75.9	76.5	76.9	77.4	77.5	77.7	77.8	77.8	77.9	78.0	78.1	78.1	78.2	78.2	78.3	78.3
50	74.4	76.8	77.5	77.6	78.4	78.4	78.6	78.8	78.8	78.9	79.0	79.0	79.1	79.1	79.2	79.3	79.3
20	75.7	78.4	79.1	79.5	80.1	80.2	80.4	80.5	80.5	80.7	80.8	80.8	80.9	81.0	81.1	81.1	81.1
10	76.7	79.6	80.4	80.8	81.5	81.5	81.8	82.0	82.0	82.2	82.3	82.3	82.4	82.4	82.4	82.5	82.5
5	77.3	81.2	82.7	82.4	83.2	83.3	83.5	83.7	83.9	83.9	84.1	84.1	84.1	84.2	84.2	84.3	84.3
2	77.3	82.7	83.6	84.1	84.9	85.0	85.3	85.5	85.5	85.7	85.9	85.9	86.0	86.0	86.1	86.1	86.1
1	78.4	84.2	85.2	85.6	86.5	86.7	87.2	87.2	87.3	87.5	87.7	87.7	87.8	87.8	87.9	88.0	88.0
0.5	80.8	84.6	85.6	86.2	87.1	87.3	87.7	87.9	88.0	88.2	88.4	88.4	88.5	88.5	88.6	88.7	88.7
0.2	81.7	85.7	86.9	87.5	88.5	88.7	89.1	89.4	89.5	89.7	89.9	89.9	90.0	90.1	90.1	90.2	90.2
0.1	82.7	87.2	88.4	89.1	90.2	90.5	90.9	91.3	91.4	91.7	91.9	92.0	92.1	92.1	92.2	92.3	92.3
0.05	83.4	88.1	89.5	90.2	91.4	91.6	92.2	92.6	92.7	93.1	93.4	93.4	93.6	93.6	93.7	93.8	93.8
0.02	85.7	88.6	90.0	90.8	92.0	92.3	92.9	93.3	93.4	93.9	94.2	94.2	94.4	94.4	94.5	94.6	94.6
0.01	83.9	88.9	90.4	91.2	92.5	92.8	93.4	93.8	94.0	94.5	94.8	94.9	95.0	95.1	95.2	95.3	95.3
0.005	84.1	89.3	90.8	91.6	93.0	93.3	93.9	94.4	94.6	95.1	95.4	95.5	95.7	95.7	95.8	96.0	96.0
0.002	84.3	89.6	91.2	92.1	93.5	93.8	94.5	95.0	95.2	95.8	96.2	96.2	96.4	96.5	96.6	96.8	96.8
0.001	84.4	89.9	91.7	92.6	94.2	94.5	95.2	95.8	96.0	96.5	97.1	97.1	97.3	97.4	97.5	97.7	97.7
0.0005	84.5	90.2	91.9	92.9	94.6	95.0	95.8	96.5	96.7	97.4	97.9	97.9	98.1	98.2	98.4	98.5	98.5
0.0002	84.6	90.2	92.1	93.1	94.8	95.2	96.1	96.8	97.1	97.8	98.4	98.5	98.7	98.8	99.0	99.1	99.1
0.0001	84.6	90.3	92.1	93.1	94.9	95.3	96.2	97.0	97.2	98.1	98.7	98.8	99.1	99.2	99.4	99.5	99.5
0.00005	84.6	90.3	92.1	93.1	94.9	95.3	96.2	97.0	97.3	98.1	98.8	98.9	99.2	99.4	99.5	99.6	99.6
0.00002	84.6	90.3	92.1	93.1	94.9	95.3	96.2	97.0	97.3	98.1	98.8	98.9	99.2	99.4	99.5	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 87556

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED, BROKEN,
OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

SKY COVER

73-54

445

STATION

5. A. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841

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MONTH	HOURS LST.	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER									MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.		
		0	1	2	3	4	5	6	7	8			9	10
JUN	6-02	20.1			21.6						15.3	35.1	6.5	916
	7-05	31.6			23.8						13.0	34.5	6.3	971
	8-08	23.0			26.2						15.7	35.1	6.7	917
	9-11	7.8			23.6						22.2	39.4	6.8	917
	10-14	13.1			27.2						23.1	39.6	6.9	919
	11-17	8.7			17.9						24.7	38.5	6.9	921
	12-2	13.4			25.4						21.3	36.8	6.5	923
	1-23	23.4			24.7						15.9	36.0	6.8	915
TOTALS		13.5			25.7						18.9	36.9	6.2	7353

FORM 0-9.5 (OL A)
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

73-82

454

DATA NAME

948 30

4. $\frac{1}{2}$ 5. $\frac{1}{2}$

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER									MEAN TENTHS OF SKY COVER	TOTAL CLOUDS IN 50		
		0	1	2	3	4	5	6	7	8			9	10
FEB	0-02	26.9			20.4						11.7	41.5	5.8	645
	03-05	24.6			19.7						14.3	41.4	5.7	641
	06-08	13.4			24.0						16.6	43.9	5.8	642
	09-11	7.3			22.5						24.0	46.2	7.5	640
	12-14	7.4			21.9						23.5	47.3	7.5	640
	15-17	6.9			21.2						25.7	46.3	7.6	645
	18-20	9.0			27.2						21.8	42.0	7.0	645
	21-23	21.0			21.0						17.3	39.7	5.2	643
TOTALS		14.7			22.2						19.5	43.6	5.8	6741

SKY COVER

73-22

442

STATION

STATION NAME

2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2734 2735 2736 2737 2738 2739 2740 2741 2742 2743 2744 2745 2746 2747 2748 2749 2750 2751 2752 2753 2754 2755 2756 2757 2758 2759 2760 2761 2762 2763 2764 2765 2766 2767 2768 2769 2770 2771 2772 2773 2774 2775 2776 2777 2778 2779 2780 2781 2782 2783 2784 2785 2786 2787 2788 2789 2790 2791 2792 2793 2794 2795 2796 2797 2798 2799 2800 2801 2802 2803 2804 2805 2806 2807 2808 2809 2810 2811 2812 2813 2814 2815 2816 2817 2818

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6

SKY COVER

APR

4. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	34.3			17.8						12.2	35.7	5.2	694
	03-05	29.4			21.9						13.9	34.8	5.4	920
	06-08	10.2			27.3						23.7	39.4	6.9	970
	09-11	9.2			27.3						22.5	41.0	6.9	899
	12-14	7.5			24.6						27.4	40.6	7.3	699
	15-17	7.1			24.8						29.1	39.0	7.3	698
	18-20	6.8			31.6						22.7	39.6	6.9	892
	21-23	22.2			28.7						14.9	34.9	5.7	693
TOTALS		15.0			25.4						20.6	38.1	5.4	7175

SKY COVER

444

PERIOD

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USAFETAC FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

204

WQW*

SKY COVER

73-82

July

STATION

STATION NAME

PER-OC

 M_2N^+

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

USAFETAC

FORM 0-9-5 (OL A)
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

727575 MINOT AFB ND

73-80

AUG

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00-02	33.3			34.2						17.5	15.7	4.1	929
	03-05	26.9			36.2						19.1	17.6	4.6	926
	06-08	6.8			42.7						27.8	22.7	5.1	925
	09-11	7.7			38.3						28.1	25.9	5.3	926
	12-14	5.9			42.8						31.7	19.5	5.1	927
	15-17	7.3			39.7						35.7	17.3	5.1	927
	18-20	5.5			45.2						31.4	16.9	5.9	927
	21-23	19.8			43.4						22.0	14.8	4.8	926
TOTALS		14.3			40.3						26.7	18.7	5.5	7413

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

73-82

554

STATION

STAT ON NAME

9800

4. 2. 4. 2.

SKY COVER

73-82

321

STATION

Signature Name

6600

22

SKY COVER

404

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SKY COVER

73-92

DEC

STATION

5' A' 3' NAME

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Y. Y. Y.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

727575 MINOT AFB ND

73-82

ALL

STATION

STATION NAME

PERIOD

WAVE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	14.5			25.7						18.9	36.9	5.2	7352
FEB		14.7			22.2						19.5	43.6	6.8	6741
MAR		15.8			23.9						19.4	41.0	6.6	7361
APR		15.8			25.4						20.6	38.1	6.4	7175
MAY		9.2			29.0						26.6	35.2	6.8	7401
JUN		5.9			37.9						26.5	26.8	5.2	7199
JUL		14.4			43.4						26.9	15.5	5.3	7431
AUG		14.3			40.3						26.7	18.7	5.5	7413
SEP		19.7			32.8						22.8	24.8	5.5	7196
OCT		16.1			27.7						23.1	33.1	6.2	7438
NOV		16.1			25.7						18.6	37.6	6.2	7193
DEC		14.3			22.0						19.6	44.1	6.8	7392
TOTALS		15.3			29.7						22.4	33.0	6.2	67288

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

When the mean and standard deviation is not available, the extreme values are used.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.
This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_X). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1940. Relative humidity usually was not reported prior to 1940, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GENERAL CLIMATOLOGY BRANCH
USAFETAC

AIR WEATHER SERVICE/MAC
727675 HINCT AFB ND

STATION NUMBER STATION NAME

59-62

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
100					.1	.1	1.5	.8	.7				.3
95				.1	.4	.9	5.8	6.3	1.9				1.3
90				.4	2.4	4.5	17.5	18.5	5.2	.1			4.1
85				1.2	6.0	14.3	35.3	35.1	11.0	.5			6.7
80				2.6	12.6	27.8	61.4	53.3	19.7	2.4			15.1
75			.3	5.5	22.2	51.0	81.5	70.8	31.3	6.6	.1		22.6
70			.6	10.1	38.7	74.3	94.7	85.0	46.1	14.0	.7		30.5
65			1.3	16.2	53.0	87.7	98.9	93.8	61.7	24.2	1.7		35.7
60			3.8	27.1	66.9	95.8	99.7	98.7	74.9	37.8	4.3		42.6
55		.2	7.4	39.9	81.3	99.4	99.9	99.9	85.5	53.5	9.6		45.4
50	.1	.6	13.2	55.1	90.7	100.0	100.0	100.0	94.5	68.1	18.4	1.3	53.8
45	1.0	3.2	20.6	67.0	95.8				97.8	82.2	26.8	3.1	56.3
40	5.5	9.8	31.6	76.8	98.5				99.3	88.2	37.1	10.5	63.5
35	12.3	19.1	47.7	88.1	99.7				100.0	95.8	52.8	19.4	69.9
30	19.5	32.9	62.0	97.1	100.0					97.7	68.7	33.3	75.2
25	29.0	46.9	72.5	98.6						100.0	81.0	44.0	81.2
20	36.6	56.3	82.5	99.4							88.6	59.1	85.4
15	44.2	66.6	90.5	99.7							92.6	66.6	86.5
10	53.2	75.7	94.8	100.0							96.5	74.7	91.3
5	64.0	85.7	97.6								98.7	83.0	94.1
0	75.0	91.2	99.4								99.1	91.2	96.3
-5	85.3	97.2	99.9								99.9	95.6	98.1
-10	93.4	99.1	100.0								100.0	98.6	99.3
-15	98.3	99.6										99.6	99.6
-20	99.6	100.0										100.0	100.0
-25	100.0												100.0
MEAN	12.9	21.1	33.3	51.2	65.4	74.9	81.7	81.1	68.4	55.4	35.3	21.0	51.1
S.D.	16.448	14.412	14.242	13.786	12.019	8.743	7.368	9.625	12.495	12.459	13.981	14.960	26.709
TOTAL OBS	713	650	713	690	713	690	713	713	690	744	690	712	8431

USAFETAC 0.215 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
727575 MINOT AFB ND

DAILY TEMPERATURES

59-82

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
70						.1	1.0	.6					.1
65					.3	2.5	9.5	3.8	.4				1.4
60					2.1	12.6	31.8	18.8	3.2				5.6
55				.3	6.5	34.6	66.2	46.7	9.1	.1			13.7
50				1.0	19.4	68.4	88.9	74.1	25.4	2.3			23.4
45				3.9	39.7	87.7	97.9	92.1	45.9	8.9	.3		31.5
40			.1	12.9	62.8	97.1	99.7	97.8	70.0	23.3	.9		38.9
35	.6	.6	2.4	29.4	81.6	99.0	100.0	99.6	87.7	46.8	4.5	.3	46.3
30	1.4	1.6	6.2	41.9	87.2	99.4		99.9	92.2	54.6	8.0	.6	49.7
25	1.7	3.2	14.2	60.4	93.3	100.0		100.0	96.7	73.9	14.3	1.5	55.0
20	4.9	9.4	31.3	80.1	98.3				99.4	86.2	31.9	6.7	62.7
15	8.6	17.2	45.7	90.6	100.0				99.7	94.0	49.6	15.6	68.7
10	14.9	26.5	55.8	95.5					100.0	98.1	67.1	27.7	74.1
5	21.2	36.6	67.5	98.1						99.6	78.1	38.9	78.6
0	27.9	45.7	77.3	98.8						99.9	84.9	48.5	82.1
-5	37.3	55.7	86.3	99.0						100.0	91.4	60.8	86.0
-10	49.2	66.3	91.4	99.3							94.5	71.8	89.0
-15	59.3	79.7	95.9	99.9							97.8	82.4	93.0
-20	72.7	88.6	98.0	100.0							99.1	91.0	95.6
-25	85.1	96.8	99.2								100.0	95.9	98.1
-30	94.5	98.6	99.9									98.9	99.3
-35	99.0	99.7	100.0									99.9	99.9
-40	100.0	100.0										100.0	100.0
MEAN	-4.2	3.3	15.3	37.4	42.2	52.1	56.8	53.7	43.9	33.4	17.5	3.9	29.1
S.D.	15.497	14.965	13.421	8.865	8.323	6.422	5.791	6.553	8.122	8.345	11.968	14.102	23.177
TOTAL OBS	713	650	713	690	713	690	713	713	690	744	690	712	8431

USAFETAC FORM 0-21.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC

AIR WEATHER SERVICE/MAC

727575 MINOT AFB ND

59-82

YEAR

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
90							.1						.0
85						.1	.6	.3					.1
80					.3	.4	5.2	3.2	.6				.8
75					1.8	5.5	21.2	15.7	3.0				4.0
70				.6	4.5	20.0	50.2	38.8	8.7				10.3
65				1.3	13.5	44.5	79.5	63.8	19.7	1.5			13.6
60				3.9	28.3	72.8	96.1	84.0	36.5	6.0			27.4
55			.4	10.0	47.1	92.0	99.6	95.2	55.2	14.5	.6		34.7
50			1.0	18.4	67.9	98.6	100.0	99.2	77.0	32.0	1.9		41.5
45			4.9	35.9	85.0	100.0		99.9	89.9	51.1	5.9	.1	48.0
40	.8	1.1	12.8	57.8	94.2			100.0	97.1	71.4	15.1	1.0	54.6
35	2.7	5.1	24.4	74.3	98.6				99.3	85.3	26.7	4.2	60.4
30	6.5	12.6	39.8	88.4	99.7				100.0	94.1	44.5	10.8	66.7
25	12.8	22.6	55.0	95.2	100.0					97.4	62.3	22.6	72.6
20	21.5	35.4	66.5	98.1						99.6	75.8	35.8	77.9
15	29.0	47.1	76.4	98.6						100.0	84.6	50.1	82.4
10	37.4	56.6	85.6	99.3							94.7	59.7	85.9
5	46.7	68.5	91.6	99.7							94.5	70.1	89.3
0	56.2	78.3	95.7	100.0							97.1	78.1	92.2
-5	67.6	87.7	98.3								96.7	87.8	95.0
-10	80.6	93.5	99.6								99.6	94.2	97.3
-15	89.6	98.3	99.9								100.0	97.2	98.7
-20	97.8	99.5	100.0									99.6	99.7
-25	99.6	100.0										100.0	100.0
-30	100.0												100.0
MEAN	4.4	12.3	24.5	41.1	54.1	63.7	69.5	67.1	52.4	44.6	27.1	12.6	39.6
SD	15.679	14.258	13.329	10.379	9.293	6.665	5.976	7.240	9.326	9.478	12.349	14.162	24.684
TOTAL OBS	713	650	713	690	713	690	713	713	692	744	690	712	8431

USAFETAC 0.215 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

727675 MINOT AFB ND STATION NAME

59-82

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
59										17	-10	7	
60	-23	-10	-15	19	26	38	47	44	31	8	-14	-15	-23
61	-26	-23	12	10	20	42	47	48	27	18	3	-25	-26
62	-22	-32	-30	17	24	36	44	43	31	18	16	-16	-32
63	-25	-19	0	19	22	43	50	44	35	22	-8	-25	-25
64	-24	-18	-21	18	31	31	42	34	27	19	-23	-21	-24
65	-23	-19	-13	25	28	42	45	37	19	22	-3	-16	-23
66	-34	-26	0	13	22	39	50	42	31	14	-7	-19	-34
67	-27	-29	-6	8	20	35	38	42	28	24	-5	-33	-33
68	-32	-16	6	5	29	41	43	36	34	23	0	-26	-32
69	-27	-24	-10	19	31	30	47	45	35	17	3	-10	-27
70	-28	-20	-8	11	30	47	49	43	26	22	-6	-25	-28
71	-28	-23	-2	15	29	34	44	41	34	17	1	-17	-28
72	-32	-21	-24	13	26	37	41	42	28	4	-7	-27	-32
73	-25	-20	15	8	27	43	48	46	27	25	-9	-24	-25
74	-28	-25	-15	16	29	38	47	38	19	17	-3	-4	-28
75	-22	-19	-9	-11	32	41	49	39	32	18	-18	-22	-22
76	-28	-17	-22	22	25	39	39	40	23	13	-8	-26	-28
77	-32	-9	2	12	32	47	49	37	35	27	-15	-30	-32
78	-30	-18	-14	22	32	33	46	37	32	22	-20	-24	-30
79	-27	-30	-13	-8	24	39	44	33	34	17	4	-12	-30
80	-21	-27	-22	16	23	40	49	40	33	16	3	-25	-27
81	-19	-20	12	14	21	46	49	42	31	7	13	-18	-20
82	-29	-20	-6	8	30	40	48	30	28	22			
MEAN	-26.4	-21.0	-8.0	12.7	26.7	39.1	46.1	40.1	29.5	17.7	-4.8	-19.5	-27.7
S D	4.199	5.628	12.223	8.698	4.041	4.709	3.963	4.393	4.679	5.761	9.472	9.065	4.187
TOTAL OBS	713	650	713	690	713	691	713	713	690	744	690	712	8433

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

JAN

STATION

STATION NAME

YEARS

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

PAGE 1 0003-0200

9075-0230
52: B6 6 3

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
42/ 41				.1														1	1													
40/ 39			.1	.1														2	2													
38/ 37			.6	.1														7	7													
36/ 35		.1	.3	.3														7	7	5												
34/ 33		.5	.8															12	12	7												
32/ 31		.6	1.1															16	16	10	5											
30/ 29		1.5	.6															20	20	16	4											
28/ 27		1.3	1.0															21	21	24	5											
26/ 25		1.5	.3															17	17	21	16											
24/ 23	.1	1.3	.4															17	17	21	11											
22/ 21	.1	2.5	.3															27	27	30	23											
20/ 19	.2	4.6	.1															46	46	24	24											
18/ 17	.9	1.8	.2															27	27	49	27											
16/ 15	.3	2.3																24	24	21	39											
14/ 13	.2	2.2																22	22	23	28											
12/ 11	.1	3.5																34	34	24	23											
10/ 9	.9	3.8																43	43	52	37											
8/ 7	.2	3.2																32	32	32	23											
6/ 5	.6	3.1																35	35	38	24											
4/ 3	.5	2.9																32	32	36	28											
2/ 1	.3	3.4																35	35	28	48											
0/ -1	2.5	1.9																41	41	39	36											
-2/ -3	3.7	2.7																59	59	63	22											
-4/ -5	3.0	1.1																38	38	42	23											
-6/ -7	3.1	1.1																39	39	39	23											
-8/ -9	2.9																	27	27	37	34											
-10/-11	3.8																	35	35	35	49											
-12/-13	2.8																	26	26	26	31											
-14/-15	4.7																	44	44	44	33											
-16/-17	3.4																	32	32	32	21											
-18/-19	5.1																	47	47	47	40											
-20/-21	1.8																	17	17	17	27											
-22/-23	2.6																	24	24	24	45											
-24/-25	1.4																	13	13	13	48											
Element (X)	Σ X ²		Σ X		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature																							
Rel. Hum.									≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total											
Dry Bulb																																
Wet Bulb																																
Dew Point																																

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-82

JAN
MAY 1997

PAGE 2 0000-0200

[illegible]

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

JAN

STATION

STATION NAME

YEARS

44

PAGE 2 - 0600-0800

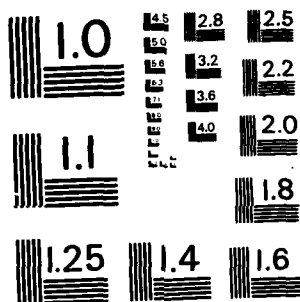
UNCLASSIFIED

MINOT AFB NORTH DAKOTA REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERV. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. APR 83
USAFETAC/DS 83/018 SBI-AD-E850 396 F/G 4/2

F/G 4/2

NI

4/6



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

PSYCHROMETRIC SUMMARY

73-82

JAN

STATION NAME

YEARS

MONTH

PAGE 1 1230-1400
HOURS: 5, T, 1

PSYCHROMETRIC SUMMARY

727575 MINOT AFB ND

73-82

— J.A.A.

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

JAN
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

HOURS 11:30-7:00

[illegible]

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-82

PAGE 2 ~~1500-1700~~

1500-1700
HOUSE OF COMMONS[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND 73-82 JAN
STATION STATION NAME YEARS MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
40/ 39			.4	.3														7	7					
38/ 37			.9	.4														12	12	3				
36/ 35			1.2															11	11	2				
34/ 33		.9	1.3															20	20	14				
32/ 31		.4	1.4															17	17	24	3			
30/ 29		1.3	1.1															22	22	14	8			
28/ 27	.2	1.8	1.1															29	29	28	16			
26/ 25	.2	3.1	.3															34	34	29	29			
24/ 23	.1	1.8	.1															19	19	43	9			
22/ 21		3.0	.5															33	33	25	29			
20/ 19	.1	2.8	.3															30	30	25	37			
18/ 17	.3	3.9	.2															41	41	43	31			
16/ 15	.8	2.8																33	33	42	26			
14/ 13	.3	3.2																33	33	21	36			
12/ 11	.1	3.0																29	29	37	42			
10/ 9	.2	3.0																30	30	39	26			
8/ 7		2.9																27	27	24	38			
6/ 5	.8	2.9																34	34	36	14			
4/ 3	.4	3.1																33	33	36	37			
2/ 1	1.1	4.6																53	53	41	38			
0/ -1	2.4	1.0																31	31	43	18			
-2/ -3	1.9	2.7																43	43	39	41			
-4/ -5	2.3	2.0																40	40	36	20			
-6/ -7	3.5	.9																41	41	52	38			
-8/ -9	3.2																	30	30	36	23			
-10/-11	4.4																	41	41	41	30			
-12/-13	3.3																	31	31	31	33			
-14/-15	4.3																	40	40	40	28			
-16/-17	2.9																	27	27	27	30			
-18/-19	3.8																	35	35	35	39			
-20/-21	1.0																	9	9	9	38			
-22/-23	1.0																	9	9	9	55			
-24/-25	.4																	4	4	4	42			
-26/-27	.2																	2	2	2	29			
Element (X)	Σ X'		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JUN 71

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

JAN
MONTH

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HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

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MINOT AFB ND

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STATION

STATION NAME

YEARS

MONTH

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2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

227675
STATION

MINOT AFB ND

73-A2

JAN
MONTH

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HOURS 11 - 5 - T - 1

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
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PSYCHROMETRIC SUMMARY

727575
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

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MONTH

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ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	D.B.	W.B.	Wet Bulb	Dew Point	
46/ 45				.0	.1													7	7	7						
44/ 43				.0	.0													6	6	6						
42/ 41			.0	.1	.0													14	14	14						
40/ 39			.2	.4	.0													42	42	3						
38/ 37		.0	.6	.3														63	63	14						
36/ 35		.0	1.0	.3														106	106	40						
34/ 33		.4	1.1	.1														113	113	95						
32/ 31		.6	1.2	.1														144	144	135	23					
30/ 29		1.2	1.0	.0														173	173	140	44					
28/ 27	.1	1.5	.9	.0														182	182	183	108					
26/ 25	.0	2.3	.9	.0														241	241	220	183					
24/ 23	.1	1.4	.4	.0														142	142	259	117					
22/ 21	.1	2.5	.5															229	229	214	178					
20/ 19	.2	3.5	.3															297	297	213	224					
18/ 17	.3	3.1	.1															263	263	325	252					
16/ 15	.3	3.2	.1															268	268	275	251					
14/ 13	.3	3.1	.1															260	260	233	246					
12/ 11	.2	3.1	.0															250	250	281	239					
10/ 9	.4	2.8	.0															245	245	299	282					
8/ 7	.3	2.8																228	228	220	279					
6/ 5	.4	2.8																240	240	271	203					
4/ 3	.6	3.2																282	282	321	236					
2/ 1	.7	4.2																363	363	284	262					
0/ -1	2.4	1.7																302	302	312	234					
-2/ -3	2.4	2.4																356	356	400	235					
-4/ -5	2.2	1.5																274	274	259	235					
-6/ -7	2.8	1.2																301	301	309	227					
-8/ -9	4.0																	294	294	380	244					
-10/-11	4.3																	322	322	322	296					
-12/-13	2.9																	219	219	219	204					
-14/-15	4.2																	309	309	309	252					
-16/-17	3.2																	237	237	237	225					
-18/-19	4.0																	296	296	296	327					
-20/-21	1.5																	113	113	113	324					
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																										
Dry Bulb																										
Wet Bulb																										
Dew Point																										

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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MO 85 5 Y

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
42/ 41			.2	.2														4														
41/ 39			.4	.4														6														
38/ 37		.1	.9	.1														10	10	4												
36/ 35		.7	1.2	.2														18	18	6												
34/ 33		1.4	.7															18	18	19												
32/ 31		2.5	.8															28	28	27	9											
30/ 29	.2	2.2	2.0															38	38	30	22											
28/ 27	.7	2.7	1.3															40	40	32	30											
26/ 25	.8	3.3	.7															41	41	52	39											
24/ 23		2.1	.1															19	19	36	18											
22/ 21	.5	3.2	.4															34	34	29	25											
20/ 19	1.2	3.7	.1															42	42	45	40											
18/ 17	.6	2.1																23	23	31	41											
16/ 15	.1	4.5																39	39	21	38											
14/ 13	.6	2.5																26	26	37	33											
12/ 11	.2	3.8																34	34	23	29											
10/ 9	.4	1.9																19	19	40	28											
8/ 7	.4	3.0																28	28	21	33											
6/ 5	.5	4.1																39	39	37	16											
4/ 3	.7	4.7																46	46	53	37											
2/ 1	1.3	5.7																59	59	55	23											
0/ -1	3.2	1.4																39	39	40	23											
-2/ -3	.9	1.1																17	17	23	39											
-4/ -5	1.3	2.0																28	28	18	44											
-6/ -7	2.2	.9																27	27	36	37											
-8/ -9	3.2																	27	27	34	27											
-10/-11	4.3																	36	36	36	26											
-12/-13	.8																	7	7	7	11											
-14/-15	1.2																	10	10	10	21											
-16/-17	1.9																	16	16	16	17											
-18/-19	1.7																	14	14	14	42											
-20/-21	.1																	1	1	1	16											
-22/-23	.4																	3	3	3	20											
-																																

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

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FEE
MONTH

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[illegible]

GLOBAL CLIMATOLOGY BRANCH
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PSYCHROMETRIC SUMMARY

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MINOT AFB ND

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STATION

STATION NAME

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0600-0800

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
42/ 41			.6															5	5						
40/ 39			.6															5	5						
38/ 37		.4	1.2	.1														14	14	6					
36/ 35			.8	.2														9	9	7					
34/ 33			.6	.9														13	13	16	5				
32/ 31		1.4	1.2															22	22	18	7				
30/ 29	.1	3.3	1.7															43	43	19	12				
28/ 27	.5	2.6	.8															33	33	43	17				
26/ 25	1.1	3.6	.5															43	43	52	35				
24/ 23	.1	2.4	.2															23	23	31	28				
22/ 21	.9	3.0	.4															36	36	32	39				
20/ 19	.6	4.5	.1															44	44	41	40				
18/ 17	1.5	2.8																37	37	50	27				
16/ 15	.4	2.0																20	20	23	42				
14/ 13	.5	2.7																27	27	18	43				
12/ 11	.8	3.4																36	36	30	31				
10/ 9	.9	2.4																28	28	41	24				
8/ 7	.4	2.4																23	23	18	24				
6/ 5	.8	1.7																21	21	33	25				
4/ 3	1.2	3.2																37	37	31	20				
2/ 1	1.2	7.0																69	69	49	41				
0/ -1	3.7	1.2																41	41	62	14				
-2/ -3	1.7	1.2																24	24	25	24				
-4/ -5	2.0	1.8																32	32	28	45				
-6/ -7	2.4	1.7																34	34	35	34				
-8/ -9	3.0																	25	25	36	31				
-10/-11	3.1																	26	26	26	32				
-12/-13	1.4																	12	12	12	13				
-14/-15	1.4																	12	12	12	28				
-16/-17	1.7																	14	14	14	23				
-18/-19	2.1																	18	18	18	25				
-20/-21	.9																	8	8	8	29				
-22/-23	.2																	2	2	2	25				
-24/-25	.1																	1	1	1	8				
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total		
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F							
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
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PSYCHROMETRIC SUMMARY

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FFF

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SOURCE: [REDACTED]

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
-26/-27	.5																		4	4	4	9										
-28/-29	.4																		3	3	3	22										
-30/-31	.3																		1	1	1	6										
-32/-33																						5										
-34/-35																						3										
-36/-37																						7										
-38/-39																						2										
TOTAL	35.6	55.0	9.0	.4																845		845										
																			845		845											
Element (X)	$\Sigma X'$		ΣX		X	No. Obs.		Mean No. of Hours with Temperature						Total																		
Rel. Hum.	4353235		59845		70.8	845		= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	84																		
Dry Bulb	284438		8080		9.6	845		25.5	79.9					84																		
Wet Bulb	249879		7207		8.5	845		28.5	81.1					84																		
Dew Point	253637		1593		1.9	845		38.3	83.5					84																		

GLOBAL CLIMATOLOGY BRANCH
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PSYCHROMETRIC SUMMARY

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STATION NAME

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HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point					
46/ 45				.2														2	2							
44/ 43				.2														2	2							
42/ 41			.4	.1	.1													5	5	1						
40/ 39			1.1	1.1														18	18	1						
38/ 37		.2	1.2	.9														20	20	9						
36/ 35		.5	1.5	.2														19	19	15	1					
34/ 33		.9	1.4	.4														23	23	25	1					
32/ 31		1.3	1.8															26	26	28	17					
30/ 29		1.8	1.9															31	31	23	19					
28/ 27	.6	2.8	.7															35	35	44	24					
26/ 25	.7	2.5	1.1															36	36	42	37					
24/ 23	.1	2.3	.8															27	27	30	36					
22/ 21	.5	4.4	.5															45	45	38	27					
20/ 19	.4	3.2	.2															32	32	45	47					
18/ 17	.4	3.2	.1															31	31	31	25					
16/ 15	.6	3.6																35	36	33	36					
14/ 13	.8	3.2																34	34	31	38					
12/ 11	.6	3.3																33	33	33	46					
10/ 9	.4	2.8																27	28	38	29					
8/ 7	.6	3.2																32	32	27	24					
6/ 5	.2	2.7																25	25	35	24					
4/ 3	.5	3.2																31	31	30	33					
2/ 1	.9	5.7																56	56	47	25					
0/ -1	2.7	1.7																37	37	42	28					
-2/ -3	.8	2.3																26	26	33	29					
-4/ -5	1.1	2.0																26	26	16	38					
-6/ -7	1.7	.8																21	21	31	25					
-8/ -9	4.1	.1																36	36	43	21					
-10/-11	1.2																	10	10	10	24					
-12/-13	1.7																	14	14	14	15					
-14/-15	1.8																	15	15	15	27					
-16/-17	1.4																	12	12	12	25					
-18/-19	1.8																	15	15	15	27					
-20/-21	.4																	3	3	3	26					
Element (X)	Σ X ²		Σ X		X̄		σ ²		No. Obs.		Mean No. of Hours with Temperature										Total					
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F					
Dry Bulb																										
Wet Bulb																										
Dew Point																										

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
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PSYCHROMETRIC SUMMARY

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STATION STATION NAME

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HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
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PSYCHROMETRIC SUMMARY

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MINOT AFB ND

STATION NAME

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HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B. W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point						
50/ 49					.1													1	1							
48/ 47					.1	.2												3	3							
46/ 45				2.0	.1													18	18							
44/ 43				1.4	.1	.1												14	14							
42/ 41			.5	2.0	.1													22	22		3					
40/ 39			1.1	1.8	.5													28	28		18					
38/ 37		.1	1.4	.6														18	18		21					
36/ 35		.2	1.2	.6														17	17		36					
34/ 33		.8	1.2	.8														24	24		25					
32/ 31		1.2	2.5															31	31		28					
30/ 29	.1	2.2	1.8	.5														39	39		25					
28/ 27	.4	2.8	1.1	.1														37	37		49					
26/ 25	.5	1.4	1.1	.1														26	26		42					
24/ 23		3.5	.7															36	36		33					
22/ 21	.5	3.2	1.8															46	46		44					
20/ 19	.4	2.6	.4															28	28		37					
18/ 17	.2	4.1	.5															41	41		33					
16/ 15	.1	3.9	.2															36	36		46					
14/ 13	.8	3.4	.4															39	39		32					
12/ 11	.4	3.4	.1															33	33		36					
10/ 9	.2	4.0																36	36		42					
8/ 7	.2	3.9	.1															36	36		33					
6/ 5		3.9																33	33		43					
4/ 3	.5	4.4																41	41		48					
2/ 1	.1	2.5																22	22		16					
0/ -1	1.2	1.4																22	22		26					
-2/ -3	.5	1.7																18	18		19					
-4/ -5	.6	2.5																26	26		17					
-6/ -7	2.0	1.7																31	31		38					
-8/ -9	1.5																	13	13		25					
-10/-11	1.8																	15	15		15					
-12/-13	.6																	5	5		5					
-14/-15	.5																	4	4		4					
-16/-17	.4																	3	3		3					
Element (X)	Σ X ²		Σ X		Σ		C _x		No. Obs.		Mean No. of Hours with Temperature															
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total			
Dry Bulb																										
Wet Bulb																										
Dew Point																										

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
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PSYCHROMETRIC SUMMARY

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STATION

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1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
-16/-19	.5																					31										
-20/-21																						15										
-22/-23																						9										
-24/-25																						9										
-26/-27																						6										
-28/-29																						3										
-30/-31																						3										
TOTAL	13.8	59.0	15.8	9.9	1.1	.4													846		846											
																			846		846											
Element (X)	Z _K	Z _X	X	%	No. Obs.	Mean No. of Hours with Temperature																										
Rel. Hum.	3849053	56267	66.511.241		846	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																				
Dry Bulb	437382	14144	16.715.408		846	14.0	69.6					84																				
Wet Bulb	351168	12955	14.719.092		846	15.5	73.8					84																				
Dew Point	258164	6142	7.315.898		846	28.3	82.7					84																				

GLOBAL CLIMATOLOGY BRANCH
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STATION STATION NAME YEARS MONTH

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HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
50/ 49					.6													5	5						
48/ 47					.2	.4												8	8						
46/ 45				1.4	.1													13	13						
44/ 43			.2	2.5	.5													27	27						
42/ 41			.6	1.2	.5													19	19	9					
40/ 39		.1	1.3	.5	.4													19	19	18					
38/ 37		.4	.6	.6														13	13	35					
36/ 35		.8	2.6	.7														35	35	24	5				
34/ 33		1.1	2.7	.6														37	37	31	20				
32/ 31		.6	2.5	.5														30	30	30	35				
30/ 29		2.8	.5	.2														30	30	37	28				
28/ 27	.7	1.1	1.1	.2														26	26	50	26				
26/ 25		4.1	2.0	.1														53	53	21	37				
24/ 23	.2	2.0	1.5															32	32	53	44				
22/ 21	.4	3.5	.6															38	38	50	37				
20/ 19	.1	3.8	.4															36	36	32	47				
18/ 17		3.5	.2															32	32	44	28				
16/ 15		5.1	.2															45	45	27	40				
14/ 13	.6	4.3																39	39	42	33				
12/ 11	.1	4.5	.5															43	43	40	50				
10/ 9		3.8																32	32	43	39				
8/ 7		4.6																39	39	37	32				
6/ 5		2.6																22	22	37	24				
4/ 3		3.2																27	27	29	31				
2/ 1		2.7																23	23	20	40				
0/ -1	1.2	2.2																29	29	25	26				
-2/ -3	.1	2.1																19	19	28	37				
-4/ -5	.6	3.2																30	30	15	23				
-6/ -7	1.2	1.8																25	25	38	16				
-8/ -9	.9																	8	8	19	9				
-10/-11	.4																	3	3	3	13				
-12/-13	.6																	3	3	3	11				
-14/-15	.6																	5	5	5	34				
-16/-17	.1																	1	1	1	25				
Element (K)	Σ X ²		Σ X		X	Σ X		No. Obs.		Mean No. of Hours with Temperature															
Rel. Hum.										≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

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FEB

STATION

STATION NAME

YEARS

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PAGE 2

1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
-18/-19																						28										
-20/-21																						11										
-22/-23																						7										
-24/-25																						7										
-26/-27																						3										
TOTAL	7.1	63.9	17.5	8.7	2.4	.4													846	846	846											
Element (X)	Z _{X'}	Z _x	R	%	No. Obs.	Mean No. of Hours with Temperature						Total																				
Rel. Hum.	3844310	56244	66.511.152	A46	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																					
Dry Bulb	477326	15570	18.415.014	A46	12.2	66.5					AH																					
Wet Bulb	382380	13742	16.213.725	A46	13.6	72.4					AH																					
Dew Point	269710	7502	8.815.507	A46	24.8	81.5					AH																					

PSYCHROMETRIC SUMMARY

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STATION

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FEB

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PSYCHROMETRIC SUMMARY

FEB

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point																	
-28/-29																																							
-30/-31																																							
-32/-33																																							
-34/-35																																							
-38/-39																																							
TOTAL	27.2	59.9	11.8	1.1																846	846	846																	

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

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FREE

STATION

STATION NAME

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PSYCHROMETRIC SUMMARY

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HAF

STATION

STATION NAME

YEARS

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2000-0200

HOUSERS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point													
54/ 53			.1															1	1															
52/ 51			.1															1	1															
50/ 49																					1													
48/ 47		.1			.1													2	2	1														
46/ 45																				1	2													
44/ 43			.1															1	1		1													
42/ 41		.2	.4	.2	.1													9	9															
40/ 39		.3	1.3	.9														23	23	5														
38/ 37		.8	2.3	.9														36	36	10	3													
36/ 35	.2	2.2	2.3	.7														49	49	34	3													
34/ 33	.3	2.9	2.1	1.2														60	60	48	17													
32/ 31	.1	6.5	5.4	.7														117	117	75	29													
30/ 29	.2	4.2	4.6	.5														88	88	68	52													
28/ 27		4.7	2.1	.1														63	63	127	68													
26/ 25	.1	2.9	.8	.1														36	36	94	58													
24/ 23	.2	1.4	1.0															24	24	42	53													
22/ 21		5.9	.5															59	59	46	58													
20/ 19	.3	5.4	1.0															62	62	51	89													
18/ 17	.5	2.2	.2															27	27	55	66													
16/ 15	.1	2.9	.3															31	31	29	44													
14/ 13	.2	2.5	.3															28	28	25	45													
12/ 11	.4	2.6																28	28	32	44													
10/ 9	.3	3.4																34	34	37	33													
8/ 7	.3	2.5	.1															27	27	30	34													
6/ 5	.5	2.4																27	27	28	21													
4/ 3	.3	1.7																19	19	22	31													
2/ 1	.1	.8																8	8	15	25													
0/ -1	1.4	.3																16	16	17	25													
-2/ -3		.5																5	5	5	7													
-4/ -5	.8	.3																10	10	11	17													
-6/ -7	.3	.1																4	4	5	12													
-8/ -9	1.0																	9	9	10	15													
-10/-11	.7																	6	6	6	12													
-12/-13</																																		

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

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MAF

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PSYCHROMETRIC SUMMARY

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STATION

MINOT AFB ND

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MAR
MONTH

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0300-0500

PSYCHROMETRIC SUMMARY

YEARS

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MONTH

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	* 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point													
-22/-23	.2																		2	2	2	5												
-24/-25																						6												
-26/-27																						5												
-28/-29																						2												
-30/-31																						2												
TOTAL	11.9	64.0	21.4	2.7															921	921	921													

PSYCHROMETRIC SUMMARY

<u>727675</u>	<u>MINOT AFB ND</u>
STATION	STATION NAME

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MAR

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HOURS 5.9

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PSYCHROMETRIC SUMMARY

MAR

0670-0000

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PSYCHROMETRIC SUMMARY

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MAR 1967

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HOURS S. T.

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USAFETAC 0-26-3 10L A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE FORM 11 (IN 71)

PSYCHROMETRIC SUMMARY

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MINOT AFB ND

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STATION

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[illegible]

PSYCHROMETRIC SUMMARY

MAR

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[illegible]

USAFETAC FORM 0-26.3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
(JUN 71)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727575
STATION

MINOT AFB ND
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MONTH

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HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point															
66/ 65										.1																							1	1		
62/ 61							.1			.1																							2	2		
60/ 59				.1					.1																								2	2		
58/ 57					.1				.2	.1																							4	4		
56/ 55			.1	.1				.2		.1																							5	5		
54/ 53						.1	.3	.3																								7	7	1		
52/ 51			.2	.1	.1	.3	.2																									9	9	2		
50/ 49					.7	.2	.1																									9	9	2		
48/ 47			.1	.3	.7	.3	.1																									14	14	3	2	
46/ 45				.5	.8	.5	.1	.1																								19	19	5	1	
44/ 43				.8	1.4	1.1	.9	.2																								40	40	7	3	
42/ 41		.1	.9	1.1	.8	.4	.1																									31	31	14	2	
40/ 39		.7	2.0	1.8	1.0	.2																										52	52	37	1	
38/ 37		1.5	3.0	1.8	.7	.1																										66	66	42	7	
36/ 35	.1	2.8	2.5	2.2	.3																											73	73	66	7	
34/ 33	.2	2.0	3.0	2.2	.3																											71	71	95	29	
32/ 31		2.5	3.9	1.4	.3																											75	75	75	70	
30/ 29		2.7	2.3	.5	.2																											53	53	77	58	
28/ 27	.2	2.4	2.4	.4																												50	50	73	53	
26/ 25		2.5	.8	.2																												32	32	65	77	
24/ 23		1.7	.9	.1																												25	25	53	54	
22/ 21		2.3	2.0	.1																												40	40	22	57	
20/ 19		3.3	1.8																													47	47	35	84	
18/ 17		2.9	.4																													31	31	62	63	
16/ 15	.1	1.4	1.0																													23	23	31	45	
14/ 13	.1	2.2	.4																													25	25	15	35	
12/ 11		2.0	.1																													19	19	29	32	
10/ 9	.1	2.1	.1																													21	21	18	40	
8/ 7	.3	2.0	.1																													22	22	28	35	
6/ 5	.3	1.0																														12	12	18	20	
4/ 3	.4	1.3																														16	16	19	25	
2/ 1		.4																														4	4	7	35	
0/ -1	.3	.3																														6	6	5	13	
-2/ -3	.1	.4																														5	5	5	12	
Element (X)	Σ x ²			Σ x			Σ	Σ _x	No. Obs.			Mean No. of Hours with Temperature																								
Rel. Hum.												≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total												
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

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MAR

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
-4/-5			.3															3	3	4	16														
-6/-7			.2															2	2	2	16														
-8/-9		.2																2	2	3	7														
-10/-11		.1																1	1	1	5														
-12/-13		.1																1	1	1															
-14/-15																																			
-16/-17																																			
-18/-19																																			
-20/-21																																			
TOTAL	2.8	41.0	28.8	14.6	7.0	3.1	1.4	.8	.3	.1								921		920															
																		920	920	920															

USAFETAC FORM 0-26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
(JUN 71)

PSYCHROMETRIC SUMMARY

72 76 75
STATION

MINOT AFB ND

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[illegible]

PSYCHROMETRIC SUMMARY

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MAR

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[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point															
68/ 67																																		2	2		
66/ 65																																		2	2		
64/ 63																																		4	4		
62/ 61																																		16	16		
60/ 59																																		16	16		
58/ 57																																		24	24		
56/ 55																																		40	40		
54/ 53																																		36	36		4
52/ 51																																		46	46		9
50/ 49																																		75	75		11
48/ 47																																		86	86		19
46/ 45																																		111	111		32
44/ 43																																		137	137		78
42/ 41																																		152	152		102
40/ 39																																		255	255		126
38/ 37																																		382	382		203
36/ 35																																		469	469		386
34/ 33																																		496	496		531
32/ 31																																		692	692		573
30/ 29																																		558	558		555
28/ 27																																		430	430		704
26/ 25																																		329	329		562
24/ 23																																		215	215		438
22/ 21																																		367	367		320
20/ 19																																		391	391		321
18/ 17																																		263	263		423
16/ 15																																		257	257		259
14/ 13																																		243	244		219
12/ 11																																		190	190		268
10/ 9																																		187	187		222
8/ 7																																		178	178		185
6/ 5																																		145	145		184
4/ 3																																		114	114		144
2/ 1																																		111	111		113
Element (X)	Σ x ²			Σ x			Σ			Σ _s			No. Obs.			Mean No. of Hours with Temperature																					
Rel. Hum.																Σ 0 F Σ 32 F Σ 67 F Σ 73 F Σ 80 F Σ 93 F																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
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PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-42

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STATION

STATION NAME

YEARS

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ALL

HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
0/-1	.5	.4																69	69	92	150														
-2/-3	.2	.7																67	67	58	111														
-4/-5	.3	.4																53	53	67	110														
-6/-7	.4	.2																40	40	52	113														
-8/-9	.5																	37	37	45	100														
-10/-11	.3																	24	24	24	94														
-12/-13	.2																	15	15	15	61														
-14/-15	.1																	11	11	11	70														
-16/-17	.1																	5	5	5	55														
-18/-19	.2																	16	16	16	47														
-20/-21	.1																	5	5	5	36														
-22/-23	.0																	2	2	2	20														
-24/-25																					16														
-26/-27																					16														
-28/-29																					5														
-30/-31																					2														
-32/-33																					2														
-34/-35																					1														
TOTAL	6.3	49.5	26.3	8.9	4.0	2.5	1.4	.7	.2	.1	.0											7363													
																		7363				7363													
				</																															

Element (X)	Z _X ¹	Z _X	X	X ₂	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	34569207	493069	67.0	14.5	7363	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	6198879	188517	25.6	13.6	7364	34.8	508.7	.2				784
Wet Bulb	4840583	166785	22.7	12.0	7363	39.6	592.3					788
Dew Point	3036653	114081	15.5	13.0	7363	102.0	718.2					788

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
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PSYCHROMETRIC SUMMARY

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STATION

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STATION NAME

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MONTH

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HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																			
66/ 65																																		3	3					
64/ 63					.1		.1			.1																							2	2						
62/ 61					.1			.1		.1																							3	3						
60/ 59						.1		.1	.1	.2																							5	5						
58/ 57				.2	.1			.3																									6	6	1					
56/ 55				.3		.2	.1	.1	.1																								8	8	2					
54/ 53				.3	.6	.3		.6	.2																								18	18	3	1				
52/ 51				.5	.5	.2	.6		.1																								16	16	8	3				
50/ 49		.1	.5	.1	.8	1.0		.2																									24	24	2	2				
48/ 47		.3	1.1	.6	.6	.3	.1																										27	27	18	5				
46/ 45		.6	1.5	.7	1.5	.7																											43	43	19	4				
44/ 43		2.1	1.8	1.3	1.3	.8																											63	63	32	12				
42/ 41		1.6	1.4	1.4	1.0	1.0																											56	57	49	16				
40/ 39		1.0	4.5	1.6	.8																												69	71	53	31				
38/ 37		4.2	2.2	1.4	.5																												72	77	69	36				
36/ 35		3.4	2.4	.9	.2																												61	64	88	31				
34/ 33	.1	5.1	3.9	.7																													86	93	93	60				
32/ 31	.3	5.6	4.1	.9	.1																												97	100	98	82				
30/ 29	.6	5.0	1.9	.3																													69	71	88	86				
28/ 27	.1	1.7	1.3	.2																													29	30	86	75				
26/ 25		1.8	.7																														22	22	43	100				
24/ 23	.1	.8	.7																														14	14	25	52				
22/ 21		1.8	.5																														20	20	16	68				
20/ 19	.2	1.6	.6																														21	21	27	54				
18/ 17		.7	.2																														8	8	13	32				
16/ 15		.6	.2																														7	7	8	33				
14/ 13		.6																															5	5	6	20				
12/ 11		.3																															3	3	7	19				
10/ 9																																			3	10				
8/ 7																																				14				
6/ 5																																				4				
4/ 3		.3																															3	3	2	1				
2/ 1		.1																															1	1	1	9				
0/ -1	.3	.1																															4	4	4	1				
Element (X)	Σ X'					Σ X					Σ					Σ _a					No. Obs.					Mean No. of Hours with Temperature														
Rel. Hum.																										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION STATION NAME

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APR

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PSYCHROMETRIC SUMMARY

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STATION

MINOT AFB ND

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PAGE 2 0300-2500

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
-6/-7	.3	.1																	4	4	4	1															
-8/-9																						1															
-10/-11	.1																		1	1	1	2															
-12/-13																						1															
-14/-15																						7															
-16/-17																						2															
-18/-19																						5															
-20/-21																						1															
TOTAL	1.9	49.1	29.3	9.9	6.1	2.9	.5	.1	.1	.1										900		876															
																			876		876																
										</																											

PSYCHROMETRIC SUMMARY

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
-2/-3			.2															2	2		3														
-4/-5			.2															2	2	2	3														
-6/-7		.3																3	3	5	3														
-6/-9																					1														
-10/-11		.2																2	2	2	2														
-16/-17																					5														
-18/-19																					2														
-20/-21																					1														
-22/-23																					1														
TOTAL	1.6	44.7	30.5	11.5	6.9	3.1	.9	.5	.1	.2								875	899		875														

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4551379	61951	70.8	13.747	875	$\leq 0^\circ\text{F}$	$\leq 32^\circ\text{F}$	$\leq 67^\circ\text{F}$	$\leq 73^\circ\text{F}$	$\leq 80^\circ\text{F}$	$\leq 93^\circ\text{F}$	
Dry Bulb	1178641	31121	34.6	10.622	899	.9	36.4					90
Wet Bulb	932027	27363	31.3	9.345	875	1.0	48.0					90
Dew Point	664496	22380	25.6	10.269	875	2.4	70.9					90

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
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PSYCHROMETRIC SUMMARY

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MINOT AFB ND

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STATION

STATION NAME

YEARS

PAGE 1

0920-1100

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point													
86/ 85															.1	.1								2	2										
80/ 79													.2											3	3										
78/ 77													.2											3	3										
76/ 75														.2										5	5										
74/ 73									.1	.1	.5	.2		.1										9	9										
72/ 71							.1					.1	.2	.1										5	5										
70/ 69							.1				.1	.5												6	6										
68/ 67							.1			.5	.5	.3												12	12										
66/ 65							.1	.1	.1	.3	.7	.1												13	13										
64/ 63				.1			.1	.6	.3	.2														12	12										
62/ 61					.1		.2	.7	.2	.8														16	19										
60/ 59			.1	.1	.1	.5	.8	.9	.2															24	24										5
58/ 57				.1	.7	.9	.8	.3	.2	.1														28	28										4
56/ 55				.2	.7	.7	1.1	.9	.2		.1													34	34										8
54/ 53			.1	.7	.7	.9	.8	.7	.1															35	35										16
52/ 51			.2	1.1	.8	.7	1.0	.2																36	36										4
50/ 49		.1	.2	1.4	1.6	.9	1.4	.5																53	53										1
48/ 47		.2	1.3	.7	1.9	.6	.7																	47	47										3
46/ 45		.5	.8	1.8	2.4	.9	.1																	57	58										8
44/ 43		.6	1.4	1.4	1.9	.2	.2																	50	52										19
42/ 41		.6	1.7	1.9	.7	.6	.1																	49	52										20
40/ 39			1.8	1.9	.6	.2																		40	44										44
38/ 37		1.5	2.4	1.5	.7	.1																		54	60										47
36/ 35		2.6	1.8	1.3	.3	.2																		55	60										35
34/ 33		2.1	1.8	.8	.2																			43	47										70
32/ 31		3.3	2.2	.5	.2																			54	54										89
30/ 29		1.9	2.4	.3																				41	41										99
28/ 27		.6	1.4	.1																				18	18										62
26/ 25	.1	.7	.8																					14	14										73
24/ 23		.2	.6																					7	7										46
22/ 21		.2	.1																					3	3										43
20/ 19		.8	.3																					10	10										52
18/ 17		.7	.2																					8	8										32
16/ 15		.2																						2	2										31
Element (X)	Σ x ¹					Σ x					Σ					Σ _n					No. Obs.					Mean No. of Hours with Temperature									
Rel. Hum.																										≤ 0 F ≤ 32 F ≤ 67 F ≤ 73 F ≤ 80 F ≤ 93 F						Total			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																		
14/ 13		.9	.1															5	5	5	17																		
12/ 11		.9	.1															5	5	3	13																		
10/ 9																				5	8																		
8/ 7		.1																3	3	1	9																		
6/ 5		.9																4	4	3	6																		
4/ 3		.1																1	1	4	5																		
2/ 1		.2																2	2	2	2																		
0/ -1		.2																2	2	1	2																		
-2/ -3		.1																1	1	3	1																		
-4/ -5		.1																1	1	1	3																		
-6/ -7																					6																		
-10/-11																					2																		
-12/-13																					2																		
-14/-15																					1																		
-16/-17																					1																		
-18/-19																					1																		
TOTAL	.119	.322	.016	.013	.7	7.9	8.8	4.2	2.7	1.6	1.8	.8	.3	.5	.1			874	900		874																		

PSYCHROMETRIC SUMMARY

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A P R

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point													
96/ 95																		.1	1	1															
94/ 93																		.1	1	1															
92/ 89																		.3	.1	4	4														
88/ 87																		.1	.1	2	2														
86/ 85																		.2		2	2														
84/ 83																		.2	.2	5	5														
82/ 81																		.3	.5	7	7														
80/ 79												.2	.1	.1	.5	.1				9	9														
78/ 77														.2						2	2														
76/ 75									.1				.3	.3	.1					8	8														
74/ 73								.1		.1	.6	.6								12	12														
72/ 71								.2	.1	.3	.2	.5								14	14														
70/ 69								.1	.2	.5	.7	.6	.6							23	23														
68/ 67					.1	.1	.2	1.1	.9	.7	.2	.1								31	32														
66/ 65							.5	.5	.8	.2	.5									21	21														
64/ 63					.1	.1	.8	.1	.7	.6	.1									22	23														
62/ 61						.3	.5	.8	1.0	.9										31	32	3													
60/ 59					.1	.5	1.0	1.4	.1	.6	.1									33	33	12													
58/ 57			.1	.2	.1	1.0	1.4	1.3	.6											41	41	6													
56/ 55				.3	.5	.9	1.3	.5												32	32	22													
54/ 53			.2	.2	.8	1.4	1.5	1.4	.5											52	52	43													
52/ 51		.1	.2	.5	.8	1.4	2.2	.9												53	54	37													
50/ 49		.1	.7	.6	2.1	1.5	.7	.5												53	54	39													
48/ 47			.6	1.0	1.8	.3	.3	.1												37	38	53													
46/ 45		.5	.5	1.5	1.5	.9	.5	.1												47	53	60													
44/ 43		1.0	.3	.9	.8	.7	.2													35	40	66													
42/ 41		.3	.6	1.3	1.0	.3	.3													34	38	91													
40/ 39		.5	1.7	1.1	.9	.3	.2													42	45	85													
38/ 37		1.6	.8	.7	.2	.1														30	30	46													
36/ 35		.9	.9	.6	.3	.1														25	31	63													
34/ 33		1.1	2.0	1.0	.3															39	39	44													
32/ 31		3.0	1.8	.7	.1																														

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

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APR

STATION

STATION NAME

YEARS

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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
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PSYCHROMETRIC SUMMARY

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MINOT AFB ND

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MAY

STATION

STATION NAME

YEARS

MONTH

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
74/ 73					.1													1	1																
72/ 71					.1					.1								2	2																
70/ 69				.1														1	1																
68/ 67				.2	.1			.1	.1									5	5																
66/ 65			.1	.2	.5			.1										8	8		2														
64/ 63			.1	.2	.5	.1	.2											10	10		1														
62/ 61			.2	.8	.1	.3	.2	.2										17	17		4														
60/ 59			.8	.8	.5	.6	.6	.3										31	31		6														
58/ 57		.2	1.4	.6	.7	.5	.1											30	30		9														
56/ 55		.5	1.8	1.3	.8	.5	.2											44	45		19														
54/ 53		.3	2.2	1.6	1.6	.8	.1	.1										59	60		33														
52/ 51		1.7	4.7	2.4	1.1	.3	.6											95	96		23														
50/ 49		.8	5.6	1.0	.8	1.0	.3											84	84		68														
48/ 47		1.8	3.4	1.3	1.1	.7												73	73		85														
46/ 45		1.3	3.9	1.6	1.4	.2												73	73		101														
44/ 43		1.8	3.5	1.6	1.8	.2												79	81		67														
42/ 41		1.1	3.9	2.5	.1													67	71		71														
40/ 39	.1	1.0	3.9	1.8	.1	.1												62	64		98														
38/ 37		1.3	1.8	.9														35	42		83														
36/ 35		1.1	.7	.3														19	26		72														
34/ 33	.1	.7	1.1	1.0	.3													29	43		33														
32/ 31	.1	.1	2.2	.2														23	29		23														
30/ 29		.8	1.4															19	22		15														
28/ 27		.3	.5															7	8		37														
26/ 25		.2	.3															5	7		18														
24/ 23		.1																1	1		5														
22/ 21																					2														
20/ 19																																			
18/ 17																																			
16/ 15																																			
14/ 13																																			
12/ 11																																			
TOTAL	.3	15.2	43.3	20.5	11.7	5.3	2.4	.9	.1	.1								879	930		879														
Element (X)	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	No. Obs.	Mean No. of Hours with Temperature						Total																	
Rel. Hum.	4280109	60215	68.5	13.293	879	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total																							
Dry Bulb	2051875	42907	46.1	8.821	930		5.7	.9	.1			93																							
Wet Bulb	1607647	36959	42.0	7.817	879		10.6					93																							
Dew Point	1242350	32022	36.4	9.291	879		30.9					93																							

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

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STATION

MINOT AFB ND

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MAY

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PSYCHROMETRIC SUMMARY

YEARS

MAY

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	O.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
90/ 89															.1	.1		2	2																
88/ 87										.1						.2		3	3																
86/ 85									.1					.1				2	2																
84/ 83									.2	.1		.1				.1		5	5																
82/ 81								.1	.1	.1	.1	.2	.2	.1	.1			9	9																
80/ 79						.1	.1	.2	.2	.5	.2	.2	.2	.2	.2			18	18																
78/ 77							.3	.2	.3	.1	.2	.1			.1			13	13																
76/ 75							.2	.5	.7	.9	.2	.5	.2					27	27																
74/ 73					.1	.3	.5	.1	.3	.6	.5	.2						23	23																
72/ 71					.1	.5	.7	1.0	.9	.5	.5							36	36	1															
70/ 69					.5	.5	.8	1.5	.5	.6	.3							40	40	4															
68/ 67				.1	.3	.8	1.6	.8	1.0	1.2	.1							51	51	4															
66/ 65				.3	1.0	1.8	1.9	1.2	1.1	.7								72	72	7	2														
64/ 63			.6	.6	.7	1.4	1.6	.6	1.7	.2	.1							59	59	15															
62/ 61			.5	.3	.8	1.5	.9	1.0	.3	.1								48	49	27	3														
60/ 59			.5	.5	1.1	1.2	1.4	1.0	.3									53	54	44	13														
58/ 57		.2	.6	.7	.8	1.5	.9	.7	.3	.1								51	52	64	15														
56/ 55		.1	.8	.9	1.6	1.7	1.2	.7	.1									63	69	81	19														
54/ 53		.2	1.0	1.4	1.2	1.0	.8	.3										53	54	68	24														
52/ 51		.8	.8	1.1	.5	1.4	.7	.1										47	50	85	28														
50/ 49		.2	1.7	1.1	1.5	1.1	.6	.1										56	58	79	34														
48/ 47		.3	1.2	.5	.2	.5	.3											27	29	82	53														
46/ 45		.3	1.9	.6	.9	.2	.3											38	39	81	73														
44/ 43		.7	.7	.9	.5	.5	.1											29	29	51	66														
42/ 41		1.0	.6	.5		.3												26	27	62	55														
40/ 39		.2	.5		.1	.1												8	12	48	78														
38/ 37		.3	.2	.7	.3													14	24	22	72														
36/ 35		.2	.1	.3														6	8	24	61														
34/ 33				.2														2	11	11	55														
32/ 31				.1														1	5	15	61														
30/ 29																				4	36														
28/ 27																				3	25														
26/ 25																					25														
24/ 23																					14														
Element (X)	Σ x'		Σ x		Σ		Σ x		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total												
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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STATION STATION NAME

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YEARS

MAY

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USAFETAC FORM 0-26-3 (OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
100/ 99																	.1	1	1																
98/ 97																	.2	2	2																
96/ 95														.1				1	1																
94/ 93														.1	.1		.1	3	3																
92/ 91											.1					.1		2	2																
90/ 89											.2	.1	.1	.2		.1	.3	10	10																
88/ 87									.1		.2	.5	.1			.1		9	9																
86/ 85										.1		.6	.1	.3	.5	.1		15	15																
84/ 83									.1	.3	.1	.9	.6	.3	.1			22	22																
82/ 81								.1	.3	.6	.6		.2	.5	.1			21	21																
80/ 79								.2	.5	.2	.6	.6	.6	.1				24	24																
78/ 77						.1		.3	.7	1.1	.9	.5	.5					36	36																
76/ 75					.1	.1	.3	.5	.5	1.5	.9	.9	.1					43	43																
74/ 73					.5	.1	.6	1.5	.8	1.1	.9							48	48	1															
72/ 71					.3	.1	.7	1.7	1.4	1.7	.9	.7						66	66	2															
70/ 69					.2	.9	.7	1.6	1.7	.6			.1					45	45	4															
68/ 67					.2	.3	1.1	1.1	1.4	1.7	.3							55	55	13															
66/ 65			.2	.1	.5	.3	1.0	1.0	1.0	1.2	.2							50	50	16	2														
64/ 63			.1	.1		.3	1.0	1.6	.8	1.3	.1							45	45	33	1														
62/ 61			.2	.8	.3	.5	1.2	1.9	.8	.2	.2							55	58	32	3														
60/ 59			.1	.6	.7	.5	1.7	.8	.5	.2								44	51	57	8														
58/ 57			.7	.8	.9	.7	1.0	.7	.8									49	50	82	17														
56/ 55		.2	.6	.2	.5	.9	.8	.7	.3									37	37	80	11														
54/ 53		.5	.5	.7	2.0	.5	.2	.5	.1									43	45	84	26														
52/ 51		.1	.5	1.4	.7	.2	.3	.9										36	37	78	27														
50/ 49			1.1	1.1	.2	.2	.6	.3										32	34	85	47														
48/ 47		.3	.6	.6	.5	.3	.1											21	22	74	54														
46/ 45		.5	.6	.8	.3	.6												24	24	96	49														
44/ 43		.1	.3	.6	.1	.7												16	19	40	52														
42/ 41		.7	.1	.2	.3	.2												14	19	31	81														
40/ 39		.2	.2	.1	.2	.1												8	15	33	83														
38/ 37		.1		.1														2	5	22	70														
36/ 35					.1													1	3	10	73														
34/ 33		.2																2	6	11	52														
Element (X)	Z _X ¹		Z _X		Z		Z ₂		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											± 0 F		+ 32 F		+ 67 F		+ 73 F		+ 80 F		+ 93 F		Total												
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

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STATION

STATION NAME

YEARS

1997

PAGE 2

1230-1400

[illegible]

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

MAY

STATION

STATION NAME

YEARS

9547

PAGE 1

1500-1700

NO₂, H₂S, ... S, ...

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PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

MAY

STATION

STATION NAME

YEARS

MON'N

PAGE 2

1500-1700

HOURS: 10 A.M. - 5 P.M.

[illegible]

PSYCHROMETRIC SUMMARY

MAY

YEARS

PAGE 1 1830-2000

HOURS . . . 5. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
94/ 93														.1			.2	3	3																
92/ 91												.1					.1	3	3																
90/ 89											.1			.1				2	2																
88/ 87											.1	.1		.1	.1	.2		6	6																
86/ 85											.2	.3		.1	.1	.1		8	8																
84/ 83											.2	.3	.5	.6	.2			16	16																
82/ 81								.1	.1	.3	.2	.2	.3	.2	.1			15	15																
80/ 79						.1		.1	.7	.3	.3	.2	.3	.5				23	23																
78/ 77					.3	.1	.2	.2	.6	.5	.2	.3	.2					24	24																
76/ 75							.6	.7	.7	.7	.6	.2	.1					31	31																
74/ 73					.1		.6	.8	.8	1.1	1.1	.3						43	43																
72/ 71						.2	.8	.7	1.0	1.1	1.1	.6						49	49																
70/ 69					.2	.5	.7	1.0	1.9	1.1	.7	.5						58	58	3															
68/ 67					.1	.3	.8	1.1	1.1	1.9	.6	.2						50	50	6															
66/ 65				.1	1.0	.3	.9	1.2	2.3	1.4	.3	.1						68	68	11	2														
64/ 63			.1	.5	.2	.8	1.0	.5	1.1	.7	.1							44	45	18	1														
62/ 61				.7	1.1	1.0	.7	2.1	1.2	.9								69	71	32	3														
60/ 59			.2	.6	.7	.6	.9	1.4	1.5									51	52	50	1														
58/ 57			.6	.7	.6	1.4	1.0	1.1	.3	.1								51	51	62	6														
56/ 55		.2	1.7	.8	1.1	.8	1.2	.3	.1	.1								57	61	77	16														
54/ 53		.6	.9	1.4	1.4	.6	.6	.2										49	50	89	30														
52/ 51		.3	.9	.3	1.1	.6	.5	.6										38	39	100	29														
50/ 49			.5	.7	.9	.9	.8	.2										31	33	79	55														
48/ 47		.2	.3	.7	.7	.3	.8											27	29	97	44														
46/ 45		.1	1.0	.6	.3	.3	.3											24	27	77	50														
44/ 43		.8	.2	.3	.1	.5												17	18	58	53														
42/ 41		.6	.3		.3													11	15	42	61														
40/ 39		.2	.1	.2	.3													8	10	26	78														
38/ 37		.1																1	7	26	65														
36/ 35		.2																2	9	13	67														
34/ 33		.5	.6															9	12	11	66														
32/ 31																			2	7	64														
30/ 29																				4	54														
28/ 27																					25														
Element (X)	Σ x ²			Σ x			Σ			Σ			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

 MAY
MONTH

PAGE 2 1800-2000
HOURS: S. T.

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND 73-82 MAY
STATION STATION NAME YEARS MONTH

PAGE 1 2100-2300
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																															
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																																												
86/ 85																			1	1																																													
84/ 83																			1	1																																													
82/ 81																			1	1																																													
80/ 79																			3	3																																													
78/ 77																			9	9																																													
76/ 75																			10	10																																													
74/ 73																			8	8																																													
72/ 71																			14	14																																													
70/ 69																			23	23																																													
68/ 67																			19	19		5																																											
66/ 65																			24	24		2																																											
64/ 63																			43	43		2																																											
62/ 61																			53	53																																													
60/ 59																			70	70		3																																											
58/ 57																			71	73		5																																											
56/ 55																			71	71		13																																											
54/ 53																			95	95		29																																											
52/ 51																			74	76		29																																											
50/ 49																			65	65		42																																											
48/ 47																			53	54		47																																											
46/ 45																			44	47		68																																											
44/ 43																			39	42		66																																											
42/ 41																			27	30		67																																											
40/ 39																			24	27		74																																											
38/ 37																			19	27		80																																											
36/ 35																			10	21		61																																											
34/ 33																			10	12		58																																											
32/ 31																			5	7		61																																											
30/ 29																				2		8	38																																										
28/ 27																				2		9	35																																										
26/ 25																						1	30																																										
24/ 23																								16																																									
22/ 21																								26																																									
20/ 19																								28																																									
Element (X)	Σ X ¹					Σ X					X̄					σ _a					No. Obs.					Mean No. of Hours with Temperature																																							
Rel. Hum.																										≤ 0 F					≤ 32 F					≤ 67 F					≤ 73 F					≤ 80 F					≤ 93 F					Total									
Dry Bulb																																																																	
Wet Bulb																																																																	
Dew Point																																																																	

FORM 0-26 3-OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71
USAFETAC

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-82

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PAGE 2 2100-2300

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PSYCHROMETRIC SUMMARY

YEARS

MAY
1964

PAGE 1

ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																										
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																																							
100/ 99																		.0	2	2																																								
98/ 97																		.1	5	5																																								
96/ 95														.0	.0			.3	6	6																																								
94/ 93														.0	.0	.0		.3	6	6																																								
92/ 91											.3	.0	.0	.0	.0	.0	.1	10	10																																									
90/ 89											.3	.1	.0	.1	.1	.1	.1	25	25																																									
88/ 87										.0	.0	.1	.1	.3	.0	.1		33	33																																									
86/ 85										.0	.1	.1	.2	.1	.1	.1	.1	48	48																																									
84/ 83									.0	.0	.1	.3	.3	.2	.1	.1		63	63																																									
82/ 81							.0	.1	.1	.1	.2	.2	.1	.1	.2	.0		70	70																																									
80/ 79						.0	.0	.1	.2	.2	.2	.2	.2	.2				95	95																																									
78/ 77						.1	.1	.2	.3	.4	.3	.2	.1	.0				122	122																																									
76/ 75				.0	.0	.2	.2	.3	.6	.4	.5	.1	.0					166	166																																									
74/ 73				.1	.1	.2	.3	.5	.6	.6	.3	.0						184	184	1																																								
72/ 71			.0	.1	.2	.3	.6	.7	.7	.5	.2	.0						238	238	4																																								
70/ 69			.0	.2	.3	.5	.6	.8	.5	.4	.1	.0						243	243	17																																								
68/ 67			.1	.2	.4	.6	.6	.7	.7	.2	.1							248	248	40																																								
66/ 65		.1	.3	.6	.6	.8	.6	.9	.6	.2	.0							313	313	63																																								
64/ 63		.2	.4	.6	.9	.7	.6	.7	.5	.1								284	287	113																																								
62/ 61		.4	.7	.8	.8	.6	1.1	.5	.2	.0								357	367	149																																								
60/ 59	.0	.5	.7	1.0	.8	.9	.6	.4	.3									363	373	254																																								
58/ 57	.2	.8	.9	.8	1.0	.9	.6	.3	.1	.0								399	404	384																																								
56/ 55	.2	1.3	1.1	1.3	1.0	.8	.3	.1	.0									436	453	460																																								
54/ 53	.6	1.4	1.5	1.6	.8	.6	.3	.0										470	477	508																																								
52/ 51	.7	2.2	1.5	1.2	.7	.5	.3											498	508	563																																								
50/ 49	.0	.4	2.7	1.3	1.1	.7	.6	.1										493	502	630																																								
48/ 47	.5	1.6	1.2	.9	.5	.4												354	363	733																																								
46/ 45	.4	1.8	1.2	.8	.4	.2												337	352	679																																								
44/ 43	.9	1.7	1.0	.6	.4	.0												322	342	489																																								
42/ 41	.9	1.4	1.0	.3	.1													262	288	455																																								
40/ 39	.0	.5	1.1	.7	.3	.0												191	218	466																																								
38/ 37	.3	.5	.6	.5	.1	.0												123	165	346																																								
36/ 35	.5	.3	.3	.0														81	133	237																																								
34/ 33	.4	.6	.4	.1														102	159	155																																								
Element (X)	Σ X'					Σ X					Σ					Σ _n					No. Obs.					Mean No. of Hours with Temperature																																		
Rel. Hum.																										≤ 0 F					≤ 32 F					≥ 67 F					≥ 73 F					≥ 80 F					≥ 93 F					Total				
Dry Bulb																																																												
Wet Bulb																																																												
Dew Point																																																												

PSYCHROMETRIC SUMMARY

73-82

MAY

PAGE 2

ALL

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USAFETAC FORM 0 26 3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
(JUN 71)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-82

JUN

PAGE 1 0000-0200

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.			TOTAL Dry Bulb Wet Bulb Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

FORM 0 26 3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

PSYCHROMETRIC SUMMARY

73-82

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PAGE 1 0520-0500

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PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION STATION NAME

73-32

JUN

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727575 MINOT AFB ND

73-82

JUN

STATION

STATION NAME

YEARS

PAGE 1 1973-1100

USAFETAC FORM JUN 71 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																																			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																																																
90/ 89																	.1															1	1																																				
88/ 87												.1																				1	1																																				
86/ 85									.2	.2	.1	.2																				7	7																																				
84/ 83								.2	.1	.1	.1	.4	.1																			10	10																																				
82/ 81								.1	.3	.7	.3	.1																				14	14																																				
80/ 79							.2	.2	.8	.6	.4	.4	.2																			26	26																																				
78/ 77						.1	.4	.8	1.1	1.0	.7	.3	.2																			42	42																																				
76/ 75					.4	.2	1.6	1.9	1.2	.7	.3																					57	57																																				
74/ 73				.1	.3	.8	1.5	1.9	.6	.3	.1																					50	51																																				
72/ 71				.4	.2	3.1	2.0	1.9	1.3	.3	.1																					85	88	3																																			
70/ 69			.1	.7	.9	1.7	2.9	1.6	1.0	.2																						81	84	8																																			
68/ 67				1.0	1.1	2.2	2.7	1.6	.9	.2																						87	88	21																																			
66/ 65		.1	.2	1.2	2.1	2.1	3.1	1.7	.1																							96	97	36	6																																		
64/ 63		.3	.2	1.2	2.4	2.7	1.2	.8	.1																							80	80	69	12																																		
62/ 61		.1		1.8	1.7	2.0	1.1	.2																								62	62	92	16																																		
60/ 59		.8	1.0	1.8	1.3	1.1	.7																									60	60	122	28																																		
58/ 57		.3	.7	1.9	.8	1.3	.2	.3																								50	50	125	59																																		
56/ 55			1.1	.8	.6		.1																									23	23	127	62																																		
54/ 53			1.3	.6	.3	.4																										24	24	97	79																																		
52/ 51	.1	.6	.8	.3	.2	.1																										19	19	98	104																																		
50/ 49		.4	.2	.2	.2	.1																										11	11	48	98																																		
48/ 47			.1	.2	.1																											4	4	36	108																																		
46/ 45																																		14	93																																		
44/ 43																																		7	62																																		
42/ 41			.1																													1	1	3	58																																		
40/ 39																																		2	47																																		
38/ 37																																		1	23																																		
36/ 35																																			15																																		
34/ 33																																			10																																		
32/ 31																																			7																																		
30/ 29																																			4																																		
TOTAL	.1	2.7	5.9	12.3	12.9	18.7	16.5	14.3	7.9	3.6	2.0	.9					.1															891	900	891																																			
																		891														891	891																																				
Element (X)	Σ X'					Σ X					Σ X					Σ X					Σ X					Σ X					Σ X					Σ X																																	
Rel. Hum.	2779909					48115					54.014					891					891					891					891					891																																	
Dry Bulb	4085080					60228					66.9					7.795					900					900					900					900																																	
Wet Bulb	2892032					50524					56.7					5.516					891					891					891					891																																	
Dew Point	2160803					43453					48.8					6.841					891					891					891					891																																	
																																			Mean No. of Hours with Temperature																																		
																																			≥ 0 F					≥ 32 F					≥ 67 F					≥ 73 F					≥ 80 F					≥ 93 F					Total				
																																													46.9					20.9					5.0														
																																													3.2																								
																																																		1.1																			

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-32

JUN -

STATION

STATION NAME

YEARS

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PSYCHROMETRIC SUMMARY

73-82

JUN

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727575 MINOT AFB ND

73-82

JUN

STATION

STATION NAME

YEARS

PAGE 1 1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																														
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point																																							
104/103																					.2	2	2																																									
100/ 99																					.1	1	1																																									
98/ 97																					.1	1	1																																									
96/ 95																.1	.1				.1	3	3																																									
94/ 93												.1	.1	.7	.1	.2				.1	.1	13	13																																									
92/ 91													.4	.3	.3							11	11																																									
90/ 89									.1	.2		.1		.6	.1	.2						12	12																																									
88/ 87									.1	.1	.3	.7	.4	.2	.4	.4						25	25																																									
86/ 85										.3	1.1	1.0	1.0	.6	.4							40	40																																									
84/ 83										.3	1.0	.6	1.5	.7	.8	.4						49	49																																									
82/ 81								.1	.3	.2	1.3	1.5	.7	.3								40	40																																									
80/ 79								.4	.6	.9	1.2	1.8	1.2	.2								57	58																																									
78/ 77						.3	.4	.3	1.7	2.5	1.5	.2	.8	.1								68	71																																									
76/ 75					.1	.4	.3	1.5	2.8	2.5	1.3	.3										80	82	1																																								
74/ 73				.1	.2	.9	1.7	2.0	2.0	3.3	.8	.1										93	94	4																																								
72/ 71		.1		.1	.3	.8	1.2	1.5	2.7	.8	.6	.2										74	74	9																																								
70/ 69					.2	.8	.6	1.7	1.6	1.3												69	71	29	1																																							
68/ 67				.1	.1	.3	.4	1.5	1.5	1.1	.3											48	49	42	3																																							
66/ 65		.2	.2	.8	.2	.9	1.2	1.0	.8													48	48	52	2																																							
64/ 63		.2	.4	.4	.4	.9	.8	.8	.1													37	37	71	8																																							
62/ 61			.6	.4	1.0	1.2	.2	.4	.2													37	37	111	28																																							
60/ 59		.2	.6	.6	.7	.3																21	21	139	31																																							
58/ 57		.4	.4	1.1	.3	.1																22	22	113	41																																							
56/ 55		.3	.7	.7	.2	.7																23	23	116	50																																							
54/ 53			.6	.3	.1	.1																10	10	77	58																																							
52/ 51			.1																			1	1	75	77																																							
50/ 49		.1	.3																			4	4	24	95																																							
48/ 47		.1																				1	1	18	126																																							
46/ 45																								9	74																																							
44/ 43																									87																																							
42/ 41																									81																																							
40/ 39																									49																																							
38/ 37																									28																																							
36/ 35																									31																																							
Element (X)	ΣX^2			ΣX			\bar{X}			σ_x			No. Obs.			Mean No. of Hours with Temperature																																																
Rel. Hum.																≤ 0 F							≤ 32 F							≤ 67 F							≤ 73 F							≤ 80 F							≤ 93 F							Total						
Dry Bulb																																																																
Wet Bulb																																																																
Dew Point																																																																

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

JUN

STATION

STATION NAME

YEARS

JUN 25 1966

PAGE 2 1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point		
34/ 33																							22	
32/ 31																							10	
30/ 29																							4	
28/ 27																							4	
TOTAL		1.8	4.0	4.9	4.8	7.4	9.3	12.0	15.8	15.3	10.6	5.7	4.3	2.1	1.0	.1	.7			900			890	
																			B90			B90		

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION STATION NAME

73-82

YEARS

JUN 1997

PAGE 1 1800-2000

1800-2200

[illegible]

PSYCHROMETRIC SUMMARY

JUN

YEARS

1820-2000

[illegible]

PSYCHROMETRIC SUMMARY

72 76 75
STATION

MINOT AFB ND

73-82

JUN

PAGE 1

2120-2320

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	Dif.	W.B.	Dry Bulb	Wet Bulb	Dew Point												
86/ 85									.1				.1							2	2													
84/ 83									.1	.1										2	2													
82/ 81							.1	.2	.1											4	4													
80/ 79						.3	.1	.2				.1								7	7													
78/ 77				.1		.4	.2		.1											8	8													
76/ 75				.2	.2	.7	.3													13	13													
74/ 73				.1	.2	.6	1.1	.7	.7	.1										31	31													
72/ 71				.3	.6	1.0	1.2	.8	.3											38	38	2												
70/ 69			.2	.6	1.5	1.3	1.5	.9	.2	.2										57	57	5												
68/ 67			.3	.7	.9	1.5	1.6	.3	.4	.1										52	53	12	1											
66/ 65		.1	.6	2.7	2.5	2.0	1.3	.7	.1											89	89	14	4											
64/ 63		.2	1.6	1.8	1.9	2.4	1.1	.2												82	84	35	7											
62/ 61		.2	.9	2.9	3.1	1.8	1.6	.2	.1											97	99	59	14											
60/ 59		.3	2.2	2.7	4.7	1.1	.7	.1												106	107	83	26											
58/ 57		.3	3.0	3.7	1.9	.9	.4													92	94	86	45											
56/ 55		.3	2.5	2.7	2.1	.7	.3													77	78	118	72											
54/ 53		.2	2.4	2.0	1.1	.8														58	58	117	57											
52/ 51		.2	1.7	1.6	.3	.3														37	37	134	51											
50/ 49		.3	.7	.3	.6	.1														18	18	81	90											
48/ 47		.2	.7	.6																13	13	73	112											
46/ 45		.3	.1																	4	4	37	130											
44/ 43			.3																	3	3	21	60											
42/ 41			.1																	1	1	14	68											
40/ 39																						2	47											
38/ 37																							26											
36/ 35																							19											
34/ 33																							15											
32/ 31																							11											
30/ 29																							6											
TOTAL		2.9	17.3	22.7	21.8	15.0	12.2	5.1	2.1	.7		.1	.1								900		891											
																				891		891												
Element (X)	Σx'		Σx		Σ		Σx		No. Obs.		Mean No. of Hours with Temperature																							
Rel. Hum.	3548036		54946		61.713		184		891		≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total											
Dry Bulb	3479159		55587		61.8		7.147		900						21.5		6.7		1.1				90											
Wet Bulb	2645302		48284		54.2		5.684		891						1.7								90											
Dew Point	2083974		42648		47.9		6.920		891				1.7		1.1								90											

PSYCHROMETRIC SUMMARY

73-62

JUN

ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL			TOTAL
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point										
34/ 33			.0																	1	1	135									
32/ 31																						94									
30/ 29																						49									
28/ 27																						18									
TOTAL	.1	4.4	17.6	16.8	13.2	10.7	9.4	8.1	7.2	5.4	3.2	1.8	1.1	.5	.3	.1	.1			7200		7119									
																				7119		7119									

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-82

JUL

PAGE 1 0300-0500

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B.-W.B.	Wet Bulb	Wet Bulb	Dew Point													
84/ 83										.1								1	1															
82/ 81										.1								1	1															
80/ 79										.1								1	1															
76/ 75					.1					.2								2	2															
74/ 73				.7	.7	.3	.1											16	16															
72/ 71		.4	.7	.7	.9	.3	.1											28	30															
70/ 69			1.3	1.1	.9	.8	.1	.1	.1									39	43	2														
68/ 67		.4	2.1	1.9	1.4	.2	.1											56	56	17														
66/ 65		.2	1.7	3.7	2.1	.2												71	75	21	11													
64/ 63		.9	2.8	4.7	.3	1.0			.1									93	95	29	18													
62/ 61		1.1	3.7	3.7	1.9	.4			.1									98	103	77	18													
60/ 59		1.3	3.2	3.2	.4	.2			.1									77	80	124	43													
58/ 57		2.4	5.3	4.3	.2													111	114	116	80													
56/ 55	.2	2.1	3.5	2.7	.2													96	101	110	117													
54/ 53		1.6	4.4	3.0	.3													84	84	136	95													
52/ 51		1.3	3.8	1.3	.2													60	60	114	99													
50/ 49		.8	3.4	.8	.2													47	47	78	109													
48/ 47		.1	1.3															10	17	66	117													
46/ 45		.2	.2															4	5	40	63													
44/ 43			.1															1	3	13	63													
42/ 41		.1	.1															2	2	3	35													
40/ 39		.1																1	1	2	14													
38/ 37																					1	7												
36/ 35																						7												
34/ 33																						4												
TOTAL		.212	.337	.531	.910	.7	5.3	.8	.9	.3								899	931		899													

AD A131 888

MINOT AFB NORTH DAKOTA REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVA..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. . APR 83

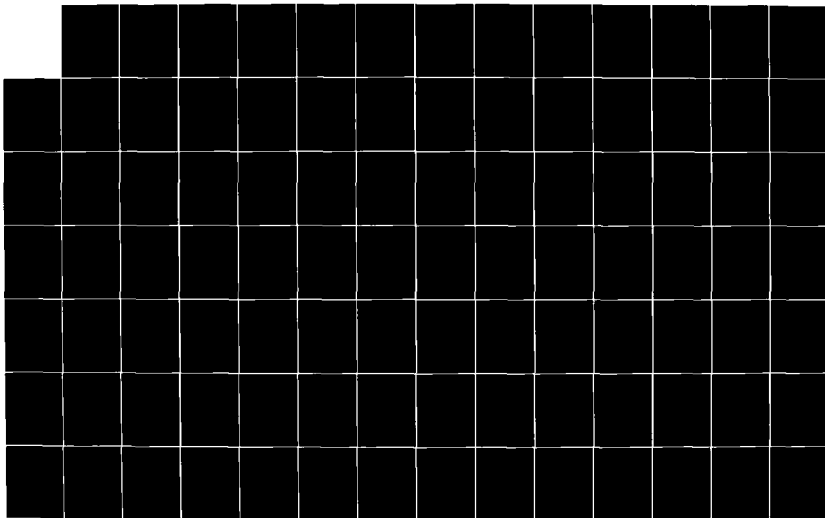
5/6

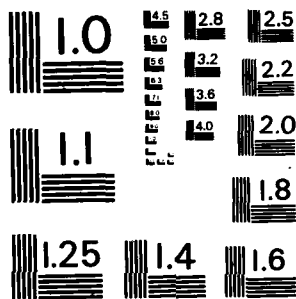
UNCLASSIFIED

USAFETAC/DS 83/018 SBI-AD-E850 396

F/G 4/2

NI





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963-A

PSYCHROMETRIC SUMMARY

73-82

JUL
MON 1M

PAGE 1 0600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

727675 HINOT AFB ND

73-82

JUL

STATION

STATION NAME

YEARS

MONTN

PAGE 1 1200-1400
HOUSE (105-1)

HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION STATION NAME

73-82

YEARS

MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-82

JUL

STATION

STATION NAME

YEARS

CONT

PAGE 1 1500-1700

1540-1700
HOURS 11 5 T 1

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

 JUL
MONTH

PAGE 2 1500-1700
HOURS (L.S.T.)

1500-670
HOURS 11:50-12:00

[illegible]

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

July
MONTH

PAGE 1 1800-2000

HOURS (M - S - T -)

PSYCHROMETRIC SUMMARY

13-A2

MONTH

PAGE 2 ~~1800-2000~~
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

727675
STATION

HINOT AFB ND

73-82

JUL
MON 14

PAGE 1 2100-2300
HOURS: S. T. J.

HOURS **S. T. U.**

PSYCHROMETRIC SUMMARY

JUL
MONTH

ALL
HOURS S. T. V.

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

AUG

PAGE 1 ~~0000-0200~~

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point													
82/ 81											.1							1	1															
80/ 79										.1								1	1															
78/ 77						.1												1	1															
76/ 75								.2	.3	.2								7	7															
74/ 73					.2	.4	.1	.2	.2									11	11															
72/ 71				.8	1.1	.3	.6	.1	.1									28	28															
70/ 69		.1	1.2	.9	.4	.1	.6											31	31															
68/ 67		.3	.6	1.8	2.2	.4	.4		.1									55	55	5														
66/ 65			1.5	2.1	1.8	1.2	.1											62	62	25	4													
64/ 63			1.6	1.4	1.5	1.1	.8											59	59	32	14													
62/ 61	.1	.5	3.9	2.6	1.6	.9	.5											94	94	60	21													
60/ 59		1.2	3.9	2.8	2.1	.9	.1											101	103	66	37													
58/ 57		2.2	3.8	3.8	2.4	1.1												122	123	110	51													
56/ 55		2.9	3.5	2.3	.6	.2												88	88	102	97													
54/ 53		1.5	2.8	2.7	1.1													75	76	114	76													
52/ 51	.2	1.0	4.3	1.2	.8	.1												70	70	111	107													
50/ 49		.8	2.3	1.8	.3													48	48	94	78													
48/ 47		.9	.6	1.2														25	25	88	103													
46/ 45		.6	.3	.3														12	12	39	94													
44/ 43		.9	.5	.4														17	17	35	75													
42/ 41		.9		.5														13	13	19	58													
40/ 39		.1		.1														2	2	12	38													
38/ 37			.1															1	1	8	39													
36/ 35			.1															1	1	3	17													
34/ 33																				1	2													
32/ 31			.1															1	1	1	8													
30/ 29																				1	4													
26/ 25																					3													
TOTAL	.1	13.8	31.2	26.7	16.1	6.8	3.6	.6	.6	.1	.1							926	930	926	926													
Element (X)	Σ x'			Σ x			x̄			s _x			No. Obs.			Mean No. of Hours with Temperature						Total												
Rel. Hum.	4880701			66255			71.512310			926			± 0 F			± 32 F			± 67 F			± 73 F			± 80 F			± 93 F			Total			
Dry Bulb	3230325			54389			58.57300			930									.1			13.5			2.1			.2			93			
Wet Bulb	2662086			49308			53.26283			926									.2												93			
Dew Point	2262976			45308			48.97061			926									1.5												93			

PSYCHROMETRIC SUMMARY

727675
STATION

HINOT AFB ND

73-82

AUG
MAY 1964

PAGE 1 0300-0500

0520-050
MO-BE 6-7

[illegible]

PSYCHROMETRIC SUMMARY

727575 MINOT AFB ND
STATION

73-82

AUG
MONIN

PAGE 1 0900-1100
HOURS: 11:00 A.M. - 1:00 P.M.

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION STATION NAME

73-82

YEARS

AUG
MONTH

PAGE 1 1200-1430
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

AUG
MONTH

PAGE 2

1200-1400
HOURS : 5 T-1

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION

73-82

 AUG
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

AUG
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

AUG
MONTH

PAGE 1 ~~1800-2000~~

1986-2001
MURDER CASES

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point															
98/ 97																	.1	1	1																	
96/ 95													.1				.1	.1	3	3																
94/ 93												.2	.1			.1			5	5																
92/ 91											.1		.1	.4		.2			8	8																
90/ 89										.1	.4	.4	.1	.5		.1			16	16																
88/ 87									.4	.4	.5	.6	.3	.3					25	25																
86/ 85								.4	.4	.9	.5	1.3	.2	.1					36	36																
84/ 83						.1	.2	.6	.9	.6	1.1	1.2	.4	.2					50	50																
82/ 81				.1	.1	.1	.3	.6	1.2	1.4	.4	.3	.1						44	44																
80/ 79				.1	.2	.3	1.6	1.7	1.7	1.2	.6	.1							71	71																
78/ 77				.2	.2	1.3	1.2	.6	1.6	1.0	.2								60	60																
76/ 75				.4	.1	1.3	1.6	2.2	1.0	.6			.1						70	70																
74/ 73			.1	.3	.6	.8	1.0	1.2	2.0	.5	.8								68	68	3															
72/ 71				.3	.6	1.5	1.2	1.6	1.5	.5	.1								70	70	21															
70/ 69			.2	.6	1.2	1.9	2.0	1.6	1.3	.6									89	89	30															
68/ 67			.1	.5	1.5	.4	1.7	1.5	.4	.2	.1								61	61	45															
66/ 65			1.1	1.4	.5	1.5	1.5	1.2	.3	.1									71	71	80															
64/ 63		.3	.8	1.0	.6	.5	1.2	.4	.1										46	46	111															
62/ 61		.2	1.1	1.0	.5	.8	.9	.3											44	44	127															
60/ 59		.3	.5	.6	.5	.2	.1	.2	.1										25	25	132															
58/ 57			.2	.6	.4	.4	.3	.2											24	24	109															
56/ 55		.3	.9	.3	.1	.1	.2												17	17	88															
54/ 53	.2	.3	.5	.4		.3	.1												17	17	63															
52/ 51		.1	.3		.2														6	6	48															
50/ 49			.1		.1														2	2	40															
48/ 47																					13															
46/ 45																					12															
44/ 43			.1																1	1	6															
42/ 41																					1															
40/ 39																					1															
38/ 37																																				
36/ 35																																				
34/ 33																																				
32/ 31																																				
Element (X)	Σ X ¹			Σ X			Σ			Σ _a			No. Obs.			Mean No. of Hours with Temperature																				
Rel. Hum.																± 0 F			± 32 F			± 67 F			± 73 F			± 80 F			± 93 F			Total		
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

PSYCHROMETRIC SUMMARY

 AUG
MONTH

1800-2000
MOUSE S T L

[illegible]

PSYCHROMETRIC SUMMARY

127675
STATION

MINOT AFB ND

73-82

AUG
MORRIS

PAGE 2

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-82

552

STATION

STATION NAME

YEARS

44

PAGE 1

0000-0235

NO. 15 . . S. T.

PSYCHROMETRIC SUMMARY

727575

MINOT AFB ND

73-02

SEP

STATION

STATION NAME

YEARS

1994

PAGE 2

0900-1100

42.95 5.71

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-	26-	27-	28-	29-	30	+31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point	
26 / 25																									10	
24 / 23																									1	
22 / 21																									3	
TOTAL	.8	10.2	15.1	16.0	15.5	13.0	10.7	6.6	4.0	3.7	2.2	.8	.9	.3	.1	.1							900	899	899	
																						899		899		

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION

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- SEP

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
100/ 99																.1	.2	3	3																
98/ 97																.1	.2	5	5																
96/ 95														.1	.1	.1	.1	5	5																
94/ 93													.1	.1	.2	.7		10	10																
92/ 91														.2	.3	.2		7	7																
90/ 89											.4	.1	.3	.4	.3			15	15																
88/ 87											.1		.2	.4		.2		9	9																
86/ 85											.2	.6	.6	.2	.1			14	14																
84/ 83									.1	.2	.2	.2	.7	.3	.1			17	17																
82/ 81									.3	.2	.4	.4	.3	.1	.2			19	19																
80/ 79							.1	.2	.6	.4	.8	1.0	.3	.2				33	33																
78/ 77						.1	.3	.4	.2	1.0	.7	.2						27	27																
76/ 75					.1	.2	.3	1.1	.8	.8	.2							32	32																
74/ 73				.1	.6	.3	1.2	.8	1.0	1.0	.2	.1						48	48																
72/ 71			.1	.1	.6	.1	1.0	1.2	1.3	1.0								49	50	3															
70/ 69			.2	.2	.7	2.2	1.3	1.4	1.4	.9								75	76	10															
68/ 67			.4	.2	.3	.8	1.0	.8	.7	.1								39	39	14															
66/ 65			.3	.8	.3	1.1	1.3	1.4	.1									49	49	24															
64/ 63	.2	.7	.2	.9	1.2	1.4	1.7	.4										61	61	43	1														
62/ 61	.1	.7	1.2	.4	1.6	1.6	1.0	.2	.2									63	63	47	5														
60/ 59	.3	.9	.3	1.0	.9	1.0	1.0											49	49	74	18														
58/ 57	.4	.9	.8	.4	.7	1.0	.6											43	43	91	29														
56/ 55	.4	.7	.7	1.0	.9	.7	.3											42	42	106	30														
54/ 53	.7	1.3	1.2	1.3	1.9	.3												61	61	76	27														
52/ 51	.6	.7	.7	.9	.4	.1												30	30	107	52														
50/ 49	.4	.7	.6	.9	.7	.1												30	30	79	58														
48/ 47	.7	.9	.3	1.1	.4													31	31	54	79														
46/ 45	.2	.4	.7	.1	.2													15	15	63	72														
44/ 43	.1	.2	.1	.3														7	7	37	76														
42/ 41	.2	.2		.1														5	5	28	78														
40/ 39				.2																															
38/ 37				.1														1	1	9	68														
36/ 35																				3	56														
34/ 33																				3	69														
Element (X)	Z _X ²		Z _X		X		σ _X		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total												
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-92

SEP

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	* 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
32/ 31																						1	34									
30/ 29																							27									
28/ 27																							20									
26/ 25																							17									
24/ 23																							8									
22/ 21																							2									
TOTAL		4.5	8.2	8.2	10.2	11.6	11.0	11.4	8.9	6.8	6.8	3.6	3.0	2.4	1.3	1.4	.6		900			898										
																		898			898											

PSYCHROMETRIC SUMMARY

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STATION

MINOT AFB ND

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PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

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SEP

STATION

STATION NAME

YEARS

MONTH

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[illegible]

PSYCHROMETRIC SUMMARY

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SEP

STATION

STATION NAME

YEARS

MON.

PAGE 2

1830-2003

HOURS - S. T.

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

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PSYCHROMETRIC SUMMARY

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STATION

MINOT AFB ND

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PSYCHROMETRIC SUMMARY

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STATION

MINOT AFB ND

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~~SECRET~~

PAGE 1

ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
104/103																	.0	1	1																
102/101																	.0	3	3																
100/ 99																	.0	8	8																
98/ 97															.0	.0	.1	12	12																
96/ 95													.0	.0	.0	.0	.1	11	11																
94/ 93												.0	.0	.0	.0	.2	.0	21	21																
92/ 91												.0	.0	.1	.1	.1		22	22																
90/ 89											.1	.0	.1	.2	.1		.0	34	34																
88/ 87									.0	.0	.3	.0	.1	.1	.0	.0		29	29																
86/ 85										.1	.1	.2	.2	.1	.0	.0		44	44																
84/ 83									.1	.0	.1	.1	.1	.2	.1			53	53																
82/ 81							.0	.0	.1	.2	.2	.2	.1	.1	.0			67	67																
80/ 79							.1	.1	.1	.2	.3	.2	.2	.0				92	92																
78/ 77						.0	.1	.1	.2	.2	.3	.2	.1					86	86																
76/ 75						.1	.1	.1	.4	.3	.4	.1	.0	.0				118	118																
74/ 73					.1	.2	.2	.4	.4	.5	.4	.1	.0					160	160																
72/ 71		.0	.0	.0	.1	.3	.3	.5	.7	.5	.5	.1						211	212	9															
70/ 69			.0	.2	.2	.3	.7	.6	.6	.4	.3							221	223	32	1														
68/ 67			.1	.1	.4	.4	.7	.5	.5	.4	.0							218	218	42															
66/ 65		.0	.3	.3	.4	.6	.9	.8	.8	.2								325	326	75	2														
64/ 63	.0	.2	.5	.4	.6	.8	.8	.8	.3	.0								319	319	146	7														
62/ 61	.0	.2	.6	.6	.9	.9	.9	.5	.1	.0								344	345	207	50														
60/ 59		.3	.8	.7	1.0	1.1	.7	.5	.0									363	363	290	72														
58/ 57		.5	1.3	1.0	1.0	1.1	.5	.3	.1									415	415	407	121														
56/ 55	.0	1.2	.8	1.2	1.4	1.1	.4	.1	.0									455	455	529	171														
54/ 53	.2	1.6	1.5	1.9	1.4	1.1	.4	.0										588	588	586	265														
52/ 51	.2	1.8	2.0	1.7	1.0	.5	.2											528	528	666	369														
50/ 49	.2	1.5	2.2	1.7	1.0	.4	.0											501	501	706	423														
48/ 47	.0	1.3	2.2	1.1	.7	.3												404	404	648	488														
46/ 45	.0	2.0	2.0	1.2	.6	.1												432	432	681	587														
44/ 43	.0	1.4	2.0	1.1	.2	.0												343	343	555	597														
42/ 41	.0	1.2	1.4	.5	.2													234	234	459	654														
40/ 39	.0	1.1	1.3	.6	.1													227	227	410	676														
38/ 37	.1	.7	.5	.2	.0													113	113	298	648														
Element (X)	Z _{X'}			Z _X			Z		Z ₂		No. Obs.		Mean No. of Hours with Temperature																						
Rel. Hum.													≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total										
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

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SEP

STATION

STATION NAME

YEARS

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND 73-32 OCT
STATION STATION NAME YEARS
PAGE 1 0000-0200

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point															
72/ 71										.1	.1							2					2														
70/ 69										.1								1					1														
62/ 61					.1					.1								2					2														
60/ 59				.1					.2									3					3														
58/ 57					.2	.4	.4											10					10														
56/ 55			.1	.3	.2	.3	.4											13					13														
54/ 53		.1	.3	.6	1.3	1.0	.4											35					35														
52/ 51		.4	.4	.8	1.2	.4												30					30														
50/ 49		.3	1.4	1.7	1.3	.5	.1											50					50														
48/ 47		.8	1.8	1.2	.8	.4												46					46														
46/ 45		2.2	1.3	2.7	.8													64					64														
44/ 43	.2	2.5	4.0	2.4	.4													68					68														
42/ 41	.2	2.5	3.6	2.6	.2	.1												85					85														
40/ 39	.9	2.8	3.7	2.9	.4													99					99														
38/ 37	.2	2.8	2.6	1.7														68					68														
36/ 35	.2	3.6	1.5	.8	.1													57					57														
34/ 33	.3	2.9	1.7	.6														52					52														
32/ 31	1.2	3.7	3.2	.5														80					80														
30/ 29	.5	2.3	1.2	.2														39					39														
28/ 27	.1	1.3	.5															18					18														
26/ 25		2.4	.5															27					27														
24/ 23	.1	.9	.4															13					13														
22/ 21	.3	1.3	.4															16					16														
20/ 19	.3	.8	.5															15					15														
18/ 17	.1	.2	.1															4					4														
16/ 15		.9																8					8														
14/ 13		.4																4					4														
12/ 11																																					
10/ 9																																					
8/ 7																																					
6/ 5																																					
4/ 3																																					
TOTAL	4.7	34.4	29.4	19.2	7.0	3.2	1.4	.2	.3	.1													930														
Element (X)	Σ x ²		Σ x		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.	5025947		66957		72.1		14.683		929		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total														
Dry Bulb	1508098		36462		39.2		9.195		929				22.5		.3								93														
Wet Bulb	1233152		33070		35.6		7.764		929				29.2										93														
Dew Point	922880		28232		30.4		8.364		929				53.8										93														

USAFETAC FORM 0-26 3-OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

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MINOT AFB ND

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STATION

STATION NAME

YEARS

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2222-2522

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
70/ 69									.1									1	1																
68/ 67									.2									2	2																
66/ 59									.3									3	3																
58/ 57						.1	.1	.1										3	3																
56/ 55			.2		.2	.2	.2											8	8																
54/ 53			.2	.3	.4	1.0	.1											19	19	3															
52/ 51		.3	.6	.5	1.2	.4												29	29	3															
50/ 49			1.1	1.1	1.2	.4												35	35	8	3														
48/ 47		1.1	1.9	1.1	.8	.4												49	49	12	3														
46/ 45		2.8	2.2	2.3	1.9	.1												77	77	43	8														
44/ 43	.4	1.7	2.7	1.3	.5													62	62	95	19														
42/ 41	.2	2.2	3.0	2.3	.1	.2												74	74	67	45														
40/ 39	.5	3.8	4.4	2.4														103	103	93	51														
38/ 37	.4	3.6	3.8	.5														77	77	95	69														
36/ 35		3.2	2.5	.6														59	59	92	76														
34/ 33	.2	4.4	2.3	1.1														74	75	90	73														
32/ 31	.9	3.4	3.8	.2														77	77	70	112														
30/ 29	1.4	2.4	1.1															45	45	68	123														
28/ 27	.9	1.4	.9															29	29	71	78														
26/ 25	.2	1.9	.1															21	21	27	50														
24/ 23	.3	1.3																15	15	27	28														
22/ 21	.3	1.5	.1															18	18	17	54														
20/ 19	1.0	1.3	.3															24	24	23	47														
18/ 17	.8	.8																14	14	18	32														
16/ 15		.6																6	6	7	26														
14/ 13		.2																2	2	5	5														
12/ 11	.1	.2																3	3	4	5														
10/ 9																				1	8														
8/ 7																					13														
4/ 3																					1														
TOTAL	7.6	38.1	31.1	13.7	5.4	2.9	.4	.6	.1										930		929														
																		929		929															

Element (X)	Z _X ¹	Z _X	X̄	s _X	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5300944	68994	74.313	809	929	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1400092	35078	37.7	9.105	932		25.4	.3				93
Wet Bulb	1163437	32079	34.5	7.749	929		33.8					93
Dew Point	884709	27663	29.8	8.106	929		58.3					93

PSYCHROMETRIC SUMMARY

727575 MINOT AFB ND

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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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STATION

STATION NAME

YEARS

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
86/ 85													.1					1	1																
84/ 83														.1				1	1																
82/ 81												.2	.1					3	3																
80/ 79											.1	.3	.1					5	5																
78/ 77										.2	.1	.6						9	9																
76/ 75								.1	.1	.2	1.1	.2						16	16																
74/ 73								.1	.6	.5	.8		.1					20	20																
72/ 71								.1	.4	.4	.3	.4						16	16																
70/ 69						.1	.3	.9	.9	.2	.3							25	25																
68/ 67						.3	.3	.4	1.0	.8								26	26																
66/ 65						1.0	.3	1.5	1.0	.5								40	40																
64/ 63					.3	.4	.8	1.9	1.0	.2								43	43																
62/ 61				.2	.1	.4	1.8	1.2	1.1	.5								50	50		4														
60/ 59			.1	.3	.3	1.2	.9	1.6	.4									45	45		8														
58/ 57		.1	.1	.3	.4	1.0	1.1	1.5										42	42		29														
56/ 55		.3	.2	.4	1.0	1.4	1.8	.5	.1									54	54		56														
54/ 53			.4	.4	1.1	1.4	1.1	.2										43	43		36														
52/ 51			.6	.8	.9	2.6	.3	.3										51	51		55														
50/ 49			.5	1.2	3.0	.6	.6											56	56		85														
48/ 47		.2	1.0	2.2	1.3	1.1	.1											54	54		61														
46/ 45		1.2	1.2	1.9	1.3	.3												55	55		73														
44/ 43	.1	.8	1.1	2.3	1.0	.8												55	55		111														
42/ 41		1.1	1.5	1.2	.5	.2												42	42		83														
40/ 39		1.2	.9	1.2	.5	.3												38	38		71														
38/ 37	.5	.6	.4	.1	.5	.2												23	23		70														
36/ 35		1.5	1.5	.4	.2													34	34		36														
34/ 33	.4	2.7	.6	.4	.4													43	43		47														
32/ 31	.3	.4	.6	.8														20	20		45														
30/ 29			.1	.2														3	3		20														
28/ 27			.3															3	3		13														
26/ 25		.6	.5															11	11		8														
24/ 23		.2	.1															3	3		12														
22/ 21																					7														
20/ 19																					17														
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total												
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

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QCT

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PSYCHROMETRIC SUMMARY

727675

MINOT AFB ND

73-62

OCT

STATION

STATION NAME

YEARS

2000

PAGE 1

2120-2340

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point										
74 / 73												.1											1	1											
72 / 71												.1											1	1											
70 / 69												.1											1	1											
68 / 67												.1											1	1											
64 / 63						.1						.1											2	2											
62 / 61				.1				.2				.3											6	6											
60 / 59				.1	.1	.3	.1	.2															8	8											
58 / 57				.2	.4	1.0	.1																16	16											
56 / 55			.3	1.0	.5	.8	.6																30	30	3										
54 / 53		.3	.8	1.6	1.3	1.9	.2																57	57	4										
52 / 51		.2	.2	1.3	1.5	1.2	.2																43	43	12										
50 / 49		.3	.8	1.8	1.5	.2																	43	43	26										
48 / 47		1.4	.8	1.4	.8	.2																	42	43	47										
46 / 45		1.3	1.8	2.7	1.7	.3																	73	73	63										
44 / 43	.1	2.3	2.6	2.8	.8																		79	79	72										
42 / 41		1.7	3.8	2.9	.5	.2																	85	85	81										
40 / 39	.8	2.7	3.1	2.7	.5																		91	91	88										
38 / 37	.4	2.5	2.3	1.8	.2																		67	67	113										
36 / 35	.1	2.4	1.7	.5	.4																		48	48	74										
34 / 33	.2	3.0	2.8	1.1	.3																		69	69	83										
32 / 31	.9	3.9	1.2	.4																			59	59	71										
30 / 29	.3	1.8	.6	.4																			30	30	65										
28 / 27	.2	1.0	1.1	.1																			22	22	38										
26 / 25	.2	1.0	1.0																				20	20	25										
24 / 23	.2	.5	.5																				12	12	22										
22 / 21		.2	.4																				6	6	18										
20 / 19		.4	.3																				7	7	3										
18 / 17		.6	.1																				7	7	8										
16 / 15		.2																					2	2	9										
14 / 13		.1																					1	1	1										
12 / 11																									1										
10 / 9																																			
8 / 7																																			
6 / 5																																			
Element (X)	Σ X²			Σ X			X̄			σ _x			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.																≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB NO

STATION NAME

73-82

YEARS

OCT

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ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JUN 71

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION STATION NAME

73-82

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727575
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

NDV

PAGE 1 0000-0200

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point																		
56/ 55							.2											2		2																				
54/ 53						.2												2		2																				
52/ 51				.1	.3	.1	.2											7		7																				
50/ 49			.4	.2	.2	.2	.1											11		11		1																		
48/ 47		.2	.1	.1	.1	.1												6		6		1																		
46/ 45		.1	.3	.7	.3	.3												16		16		10																		
44/ 43		.3	.4	.7	.1													14		14		9																		
42/ 41		.3	.6	.6	.2	.1												16		16		15																		
40/ 39		.1	1.7	1.2	.3	.1												31		31		11																		
38/ 37	.3	.2	1.3	1.2	.3	.1												32		32		22																		
36/ 35	.2	.8	1.4	.7	.6													33		33		30																		
34/ 33	.1	2.6	3.0	1.1	.3													64		64		40																		
32/ 31	1.1	5.2	1.7	1.0	.1													82		83		77																		
30/ 29	.4	2.9	1.1	.7	.1													47		47		73																		
28/ 27	.3	2.3	1.9	.2														43		44		56																		
26/ 25	1.1	4.1	.9															55		55		54																		
24/ 23	1.1	3.8	.2															46		46		79																		
22/ 21	1.4	4.2	.1															52		52		65																		
20/ 19	1.8	4.6	.2															59		59		40																		
18/ 17	.4	4.2	.3															45		45		52																		
16/ 15	.7	4.3	.2															44		44		48																		
14/ 13	.7	2.3	.3															30		30		33																		
12/ 11	.8	2.1																26		26		33																		
10/ 9	1.2	1.4																24		24		31																		
8/ 7	.3	1.4																16		16		16																		
6/ 5		1.1																10		10		13																		
4/ 3	.8	1.2																18		18		19																		
2/ 1	1.6	.7																20		20		21																		
0/ -1	.8	.1																8		8		9																		
-2/ -3	.3	.1																4		4		4																		
-4/ -5	.6	.1																6		6		7																		
-6/ -7	1.4																	13		13		13																		
-8/ -9	.2																	2		2		2																		
-10/-11	.6																	5		5		5																		
Element (X)	ΣX^2					ΣX					\bar{X}					σ_x					No. Obs.					Mean No. of Hours with Temperature														
Rel. Hum.																										≤ 0 F					≤ 32 F									
Dry Bulb																															≤ 67 F					≤ 73 F				
Wet Bulb																															≤ 80 F					≤ 93 F				
Dew Point																																								

FORM 0-26.3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC JUN 71

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION STATION NAME

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB NO

STATION NAME

73-82

YEARS

N3V

MOON

PAGE 1 0300-0500
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
54/ 53				.2	.1		.2					.1						1	1																
52/ 51				.1	.2		.1					.1						5	5																
50/ 49				.2	.3		.1											5	5																
48/ 47		.2	.2	.3		.1												8	8	2															
46/ 45			.2	.3	.7	.6												16	16	4	1														
44/ 43		.4	.6		.1	.1												11	11	6	4														
42/ 41		.2	.7	.4	.1													13	13	10	3														
40/ 39		.2	1.7	.9	.1													26	26	17	1														
38/ 37	.3	.3	1.2	.8	1.1													34	34	19	10														
36/ 35		.7	.8	.7	.4													23	23	26	11														
34/ 33	.1	1.3	2.6	1.1	.1													47	47	28	16														
32/ 31	.9	6.4	2.3	.8														93	93	53	25														
30/ 29	1.1	4.1	1.3	.4														63	63	105	39														
28/ 27	.1	2.3	1.1	.3														35	37	58	55														
26/ 25	.7	5.4	.8															61	62	52	80														
24/ 23	.7	3.6	.8															45	45	76	36														
22/ 21	1.2	4.6	.3															55	55	67	50														
20/ 19	2.2	5.7	.2															73	73	53	78														
18/ 17	.7	4.2																44	44	57	70														
16/ 15	.7	3.0																33	33	36	67														
14/ 13	1.0	3.1																37	37	35	62														
12/ 11	.7	1.3	.2															20	20	32	51														
10/ 9	.6	1.2																16	16	22	46														
8/ 7	.7	2.0																24	24	24	24														
6/ 5	.2	.9																10	10	14	17														
4/ 3	1.2	1.1																21	21	21	16														
2/ 1	1.4	.8																20	20	21	29														
0/ -1	1.9																	17	17	18	15														
-2/ -3	.7	.1																7	7	6	22														
-4/ -5	.9																	8	8	9	19														
-6/ -7	.6																	5	5	5	9														
-8/ -9	.3																	3	3	3	4														
-10/ -11	.3																	3	3	3	5														
-12/ -13	.2																	2	2	2	7														
Element (X)	Σ X'				Σ X				X̄				σ _x				No. Obs.				Mean No. of Hours with Temperature														
Rel. Num.																					≤ 0 F		= 32 F		≥ 67 F		= 73 F		= 80 F		= 93 F		Total		
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

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MINOT AFB ND

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STATION

STATION NAME

YEARS

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0300-0500

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
-14/-15	.6																		5	5	5	6															
-16/-17	.3																		3	3	3	4															
-18/-19	.6																		5	5	5	4															
-20/-21																						4															
-22/-23																						3															
-24/-25																						3															
-26/-27																						1															
TOTAL	20.8	53.3	15.4	6.5	2.7	1.1	.2													900		897															
																			897		897																

GLOBAL CLIMATOLOGY BRANCH
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PSYCHROMETRIC SUMMARY

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MINOT AFB ND

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MONTH

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HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																										
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																																							
58/ 57								.1										1	1																																									
56/ 55							.2											2	2																																									
54/ 53			.2															2	2																																									
52/ 51			.1															1	1																																									
50/ 49				.3			.1											4	4		3																																							
48/ 47				.1		.2	.1											4	4																																									
46/ 45		.1		.2	.2													5	5		3																																							
44/ 43		.2	.3	.2	.2	.2												11	11		8																																							
42/ 41		.3	.1	.1	.1													6	6		6																																							
40/ 39		.1	2.2	1.0	.6													35	35		4																																							
38/ 37	.1	.6	1.0	.7	1.1													31	31		6																																							
36/ 35	.1	1.0	1.3	.2	.3													27	27		8																																							
34/ 33		1.6	1.9	.3	.2													36	36		12																																							
32/ 31	.8	5.1	2.2	.8														80	80		24																																							
30/ 29	1.7	6.7	.9	.4														87	87		50																																							
28/ 27	.8	3.5	.6	.2														45	45		55																																							
26/ 25	1.6	5.0	1.1															69	71		70																																							
24/ 23	.6	2.6	.8															35	35		48																																							
22/ 21	.7	3.7																39	39		56																																							
20/ 19	1.9	6.8	.3															81	81		76																																							
18/ 17	1.1	4.0																46	46		48																																							
16/ 15	.8	3.2																36	36		76																																							
14/ 13	1.4	2.1																32	32		69																																							
12/ 11	.9	1.2																19	19		44																																							
10/ 9	1.0	1.3																21	21		50																																							
8/ 7	.3	2.4																25	25		26																																							
6/ 5	.4	1.3																16	16		15																																							
4/ 3	.7	1.0																15	15		14																																							
2/ 1	1.0	2.0																27	27		30																																							
0/ -1	1.0	.1																10	10		16																																							
-2/ -3	1.2	.1																12	12		14																																							
-4/ -5	.9																	8	8		22																																							
-6/ -7	.6																	5	5		16																																							
-8/ -9	.7																	6	6		6																																							
Element (X)	Σ X ²					Σ X					Σ					Σ ²					No. Obs.					Mean No. of Hours with Temperature																																		
Rel. Hum.																										≤ 0 F					+ 32 F					+ 67 F					+ 73 F					+ 80 F					+ 93 F					Total				
Dry Bulb																																																												
Wet Bulb																																																												
Dew Point																																																												

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

STATION NAME

73-82

YEARS

NDV
MONTH

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point																		
66/ 65									.1																								2	2						
64/ 63							.1																										1	1						
62/ 61									.1																								1	1						
60/ 59							.1		.1																								2	2						
58/ 57						.1	.1		.1	.1																							4	4						
56/ 55						.1	.2		.1	.1																							4	4						
54/ 53			.2		.4	.1	.1		.1	.1																							8	8	1					
52/ 51			.1	.1	.1	.8	.3																										13	13	1					
50/ 49			.1	.2	.4	.7	.4																										17	17	7					
48/ 47				.4	.3	.4																											11	11	3	3				
46/ 45		.3	.3	1.4	.2	.1																											22	22	9	1				
44/ 43		.1	.6	1.1	.6	.6																											26	26	17					
42/ 41		.1	.7	.6	.4	.1																											17	17	17	5				
40/ 39		.4	1.1	1.0	.9	.7																											37	37	31	10				
38/ 37		.3	1.6	.8	.3	.1																											28	28	33	10				
36/ 35	.1	1.1	1.3	.8	.3	.1																											34	34	30	9				
34/ 33	.2	1.8	2.1	.8	.2																												46	46	45	27				
32/ 31	.7	3.6	3.9	1.2	.2																												86	86	50	49				
30/ 29	1.4	3.4	2.7	.6																													73	73	79	45				
28/ 27	.4	3.8	1.2	.2																													51	51	87	58				
26/ 25	.8	4.2	.7																														51	51	78	71				
24/ 23		2.8	.4																														29	29	53	44				
22/ 21	.8	3.8	.4	.1																													46	46	47	59				
20/ 19	1.4	6.0	.1																														68	68	53	86				
18/ 17	.2	3.2	.1																														32	32	44	48				
16/ 15	.7	3.0																															33	33	39	72				
14/ 13	.4	2.0																															22	22	29	53				
12/ 11	.4	1.3	.1																														17	17	17	38				
10/ 9	.3	1.4																															16	16	19	53				
8/ 7	.3	1.6																															17	17	17	20				
6/ 5	.2	1.3																															14	14	20	12				
4/ 3	.4	.6																															9	9	10	17				
2/ 1	.8	1.1																															17	17	12	21				
0/ -1	.9	.4																															12	12	14	15				
Element (X)	Σ x'					Σ x					Σ					Σ					Σ					Σ					Σ					Σ				
Rel. Hum.																																								
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								
																																		Mean No. of Hours with Temperature						
																																		≤ 0 F						
																																		≤ 32 F						
																																		≥ 67 F						
																																		≥ 73 F						
																																		≥ 80 F						
																																		≥ 93 F						
																																		Total						

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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MINOT AFB ND

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PAGE 1 1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
76/ 75											.1							1	1																
74/ 73										.1								1	1																
72/ 71									.2									2	2																
70/ 69									.1		.2							3	3																
68/ 67									.1	.1								2	2																
66/ 65											.1							1	1																
64/ 63							.3		.2	.1								6	6																
62/ 61						.2	.4	.3	.2									11	11																
60/ 59						.7	.1	.8	.3									17	17																
58/ 57					.2	.3	.8	.6	.3									20	20																
56/ 55					.1	.8	.6	.2										15	15	4															
54/ 53		.2			.7	.9	.8	.2										25	25	2															
52/ 51		.2		.2	.1	1.0	.6	.7	.1									26	26	8															
50/ 49			.2	1.1	1.1	.4	.2	.1										29	29	17	1														
48/ 47			.1	.3	.8	.8	.8	.2										27	27	22	2														
46/ 45			.8	.8	.3	.4	.1											22	22	26															
44/ 43		.1	.4	1.2	.3	.4	.1											24	24	27	4														
42/ 41		.3	1.1	.9	.4	.2												27	27	30	12														
40/ 39		.1	1.1	.8	1.3	1.0												39	39	36	11														
38/ 37		.4	1.2	1.3	1.3	.4												40	40	37	13														
36/ 35	.2	.7	1.4	1.9	1.1													48	48	45	15														
34/ 33	.4	1.3	2.0	1.0	.4													47	47	53	21														
32/ 31	1.0	2.4	4.0	1.0	.1													77	77	76	81														
30/ 29	.7	2.0	2.4	.2														48	48	72	46														
28/ 27	.7	3.3	1.0	.1														43	43	77	45														
26/ 25		2.1	1.4															32	32	66	79														
24/ 23		2.1	.9	.2														29	29	36	32														
22/ 21	.2	3.7	1.3	.2														49	49	45	57														
20/ 19	.6	3.6	.3	.3														43	43	38	93														
18/ 17		1.2	.4															15	15	37	59														
16/ 15	.6	2.0	.2															25	25	21	55														
14/ 13	.2	1.4	.1															16	16	22	54														
12/ 11	.1	1.2																12	12	15	58														
10/ 9		2.3																21	21	21	21														
Element (X)	Σ x ²		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total												
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

NY

PAGE 2 1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
8/ 7	.1	1.4	.1															15	15	15	10																
6/ 5	.1	.2																3	3	13	24																
4/ 3		.6																5	5	3	18																
2/ 1		.9																8	8	5	22																
0/ -1	.9	.2																9	9	13	15																
-2/ -3	.2	.6																7	7	6	11																
-4/ -5	.3																	3	3	5	3																
-6/ -7	.7																	6	6	6	5																
-8/ -9	.1																	1	1	1	10																
-10/-11																					6																
-12/-13																					2																
-14/-15																					9																
-16/-17																					6																
-18/-19																					1																
TOTAL	7.0	33.6	19.1	10.2	9.9	8.3	5.9	3.6	1.7	.3	.4							900	900	900	900																
			</																																		

PSYCHROMETRIC SUMMARY

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NOV

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[illegible]

PSYCHROMETRIC SUMMARY

727575	MINOT AFB ND
STATION	STATION NAME

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NDM

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[illegible]

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

NY

PAGE 1

ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
76/ 75											.0							1	1																
74/ 73										.0								2	2																
72/ 71									.0	.0	.0							5	5																
70/ 69									.0	.0	.0	.0						4	4																
68/ 67									.0	.0	.0							5	5																
66/ 65									.0	.0	.0	.0						8	8																
64/ 63						.0	.0	.0	.1	.0								13	13																
62/ 61					.0	.1	.1	.1	.0									20	20																
60/ 59					.2	.1	.2	.0										36	36																
58/ 57				.1	.2	.2	.1	.1										43	43	2															
56/ 55			.0	.1	.2	.2	.1	.0										52	52	6															
54/ 53			.1	.0	.3	.2	.2	.1										67	67	5															
52/ 51			.2	.1	.2	.4	.3	.1	.0									94	94	15															
50/ 49		.0	.2	.3	.5	.4	.2	.1	.0									124	124	51	2														
48/ 47		.1	.1	.3	.4	.3	.2	.1										103	103	63	7														
46/ 45		.1	.2	.7	.6	.3	.1	.1										149	149	91	13														
44/ 43		.2	.4	.6	.5	.3	.2	.0										152	152	122	17														
42/ 41		.2	.5	.8	.3	.3	.1											155	155	144	37														
40/ 39		.2	1.4	1.1	.7	.3												271	271	177	68														
38/ 37	.1	.4	1.2	.9	.8	.1												262	262	212	90														
36/ 35	.1	1.0	1.4	1.0	.6	.0												300	300	273	122														
34/ 33	.3	1.7	2.3	1.0	.4													405	405	341	142														
32/ 31	.9	4.0	2.8	.9	.2													630	631	510	369														
30/ 29	.9	3.4	1.7	.4	.0													470	470	621	341														
28/ 27	.6	3.2	1.2	.2														375	378	585	431														
26/ 25	.7	4.0	.9	.1														402	405	520	580														
24/ 23	.3	2.8	.7	.1														280	280	475	323														
22/ 21	.8	4.3	.6	.1														411	411	425	399														
20/ 19	1.3	4.9	.3	.0														474	474	383	645														
18/ 17	.5	3.2	.3	.0														285	285	406	496														
16/ 15	.7	3.0	.2															277	277	275	550														
14/ 13	.6	2.2	.1															209	209	244	459														
12/ 11	.5	1.4	.1															141	141	191	382														
10/ 9	.6	1.5																146	146	174	320														
Element (X)	Σ x ²				Σ x		Σ		Σ x		No. Obs.		Mean No. of Hours with Temperature																						
Rel. Hum.													≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total										
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND

73-82

NC

STATION

STATION NAME

YEARS

4047

PAGE 2

ALL

[illegible]

PSYCHROMETRIC SUMMARY

13-32

YEARS

DEC
MONTH

PAGE 2 0000-0200

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
-26/-27	.2																		2'	2'	2	8													
-28/-29																						6													
-30/-31																						8													
-32/-33																						4													
-34/-35																						1													
-36/-37																						2													
TOTAL	34.9	55.2	9.2	.6															930	930	930	930													

USAFETAC FORM 0-26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION

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~~DEC~~

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[illegible]

PSYCHROMETRIC SUMMARY

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MINOT AFB ND

73-82

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 2

~~0300-0500~~
HOURS (S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND 73-82 DEC
STATION STATION NAME YEARS MONTH

PAGE 2 0600-0800
HOURS S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
-26/-27	.2																	2	2	2	8														
-28/-29	.2																	2	2	2	7														
-30/-31	.1																	1	1	1	13														
-32/-33																					4														
-34/-35																					5														
-36/-37																					2														
-38/-39																					2														
-40/-41																					1														
TOTAL	36.1	55.5	7.3	1.0	.1														930		930	930													
																		930		930															

Element (X)	ΣX^1	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5286711	69373	74.6	10.973	930	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	328549	10767	11.6	14.815	930	21.5	86.8					93
Wet Bulb	290191	9841	10.6	14.152	930	22.8	90.1					93
Dew Point	260666	9616	5.0	15.998	930	32.8	92.8					93

0410 4321

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

STATION NAME

YEARS

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USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

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[illegible]

PSYCHROMETRIC SUMMARY

73-A2

DEC

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point													
54/ 53								.1												1	1														
52/ 51							.1													1	1														
50/ 49					.1															1	1														
48/ 47				.1		.2														3	3														
46/ 45			.1	.2	.3	.2														8	8														
44/ 43		.1	.3	.5	.2															10	10	1													
42/ 41		.1	.3	.9	.2															14	14	5													
40/ 39		.1	1.0	1.4	.3															26	26	10													
38/ 37		.6	1.5	.6																26	26	14													
36/ 35		.2	.9	1.2																21	21	31													
34/ 33		.9	2.2	.6																34	34	27													
32/ 31	.5	1.3	2.6	.2																43	43	35													
30/ 29	.3	1.5	2.9	.2																46	46	43													
28/ 27	1.0	2.4	1.4																	44	44	55													
26/ 25	.3	3.3	.9																	42	42	56													
24/ 23	.1	3.5	.5																	39	39	55													
22/ 21	1.1	4.3	.8																	57	57	48													
20/ 19	2.0	4.5	.5																	66	66	66													
18/ 17	.6	4.3	.4																	50	50	52													
16/ 15	.3	3.7	.2																	39	39	41													
14/ 13	.3	3.1																		32	32	35													
12/ 11	.4	2.8	.1																	31	31	37													
10/ 9	.1	3.1	.1																	31	31	33													
8/ 7	.5	2.8																		31	31	38													
6/ 5		2.2																		20	20	19													
4/ 3	.8	1.8																		24	24	30													
2/ 1	.3	4.2																		42	42	39													
0/ -1	1.6	1.3																		27	27	30													
-2/ -3	2.3	1.3																		33	33	39													
-4/ -5	1.0	.6																		15	15	13													
-6/ -7	1.4																			13	13	18													
-8/ -9	1.1																			10	10	10													
-10/ -11	1.8																			17	17	17													
-12/ -13	1.1																			10	10	10													
Element (X)	Σ X ¹		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total												
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-3 OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
(JUN 71)

PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION STATION NAME

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DEC

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PSYCHROMETRIC SUMMARY

727575

MINOT AFB ND

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DEC

STATION

STATION NAME

YEARS

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M2 P5 S 1

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PSYCHROMETRIC SUMMARY

727675 MINOT AFB ND
STATION

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HOURS: S T I

PSYCHROMETRIC SUMMARY

727575
STATION

MINOT AFB NO

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DEC
MINIM

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HOURS S 1

[illegible]

PSYCHROMETRIC SUMMARY

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DEC

STATION

STATION NAME

YEARS

PAGE 1

ALL
MOSES S

PSYCHROMETRIC SUMMARY

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MINOT AFB ND

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DEC

STATION

STATION NAME

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MONTH

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[illegible]

PSYCHROMETRIC SUMMARY

727675
STATION

MINOT AFB ND

73-82

ALL

PAGE 1

ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
108/107																		.3	1	1															
106/105																		.3	1	1															
104/103																		.0	.8	8															
102/101															.7	.0	.0	.0	.7	7	7														
100/ 99														.0	.0	.0	.0	.0	38	38															
98/ 97														.0	.0	.0	.0	.0	.0	46	46														
96/ 95										.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	93	94														
94/ 93										.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	156	159														
92/ 91									.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	202	207														
90/ 89								.3	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	322	324														
88/ 87								.3	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	403	412														
86/ 85							.0	.0	.1	.1	.1	.1	.2	.1	.0	.0	.0	.0	.0	604	609														
84/ 83					.0	.0	.0	.1	.1	.1	.1	.2	.1	.0	.0	.0	.0	.0	.0	724	733														
82/ 81					.0	.0	.1	.1	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	846	854														
80/ 79				.0	.0	.1	.1	.2	.2	.2	.2	.1	.0	.0	.0	.0				1147	1171														
78/ 77			.0	.0	.0	.1	.2	.2	.3	.3	.2	.2	.1	.0	.0	.0				1277	1298	8													
76/ 75		.0	.0	.0	.0	.1	.2	.2	.3	.3	.3	.1	.1	.0	.0	.0				1441	1460	47													
74/ 73			.0	.1	.1	.2	.2	.3	.3	.3	.2	.2	.1	.0	.0					1513	1529	118	3												
72/ 71		.0	.0	.1	.2	.3	.4	.4	.4	.3	.2	.1	.1	.0	.0					1839	1860	342	13												
70/ 69		.0	.1	.2	.3	.4	.4	.4	.3	.3	.2	.1	.0	.0	.0					2002	2036	570	44												
68/ 67		.0	.1	.3	.4	.4	.4	.3	.2	.2	.0	.0	.0	.0						1964	1992	983	95												
66/ 65		.0	.3	.5	.5	.4	.4	.3	.2	.1	.0	.0	.0							2272	2302	1435	277												
64/ 63	.0	.1	.3	.5	.4	.4	.3	.2	.2	.1	.0									2249	2273	1975	461												
62/ 61	.0	.1	.5	.6	.5	.4	.3	.2	.2	.1	.0									2502	2536	2583	797												
60/ 59	.0	.2	.6	.6	.5	.4	.3	.2	.1	.0	.0									2443	2473	3225	1284												
58/ 57	.0	.3	.7	.6	.5	.4	.3	.2	.1	.0	.0									2584	2599	3385	1801												
56/ 55	.0	.3	.7	.6	.5	.4	.3	.1	.0	.0										2604	2633	3423	2172												
54/ 53	.0	.3	.7	.7	.5	.4	.2	.1	.0											2653	2664	3322	2464												
52/ 51	.0	.3	.8	.6	.4	.3	.2	.1	.0											2465	2480	3303	2924												
50/ 49	.0	.3	.9	.6	.6	.3	.2	.0	.0											2416	2432	3116	3055												
48/ 47	.0	.3	.6	.5	.4	.2	.1	.0												1904	1927	3157	3217												
46/ 45	.0	.5	.7	.7	.5	.2	.1	.0												2201	2235	2943	3245												
44/ 43	.0	.5	.7	.6	.3	.2	.0	.0												2064	2103	2652	2958												
42/ 41	.0	.5	.7	.6	.2	.1	.0													1928	1971	2565	2934												
Element (X)	Σ X ³			Σ X ²			Σ X			Σ X			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.																± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727575 MINOT AFB ND

73-82

ALL

STATION

STATION NAME

YEARS

MONTH

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ALL

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
40/ 39	.0	.5	1.1	.7	.2	.1	.0											2238	2284	2609	2861														
38/ 37	.1	.7	1.0	.5	.2	.0	.0											2102	2176	2512	2855														
36/ 35	.3	.9	1.0	.4	.1	.0	.0											2167	2246	2573	2665														
34/ 33	.1	1.2	1.1	.4	.1	.0												2484	2581	2784	2684														
32/ 31	.2	1.6	1.5	.3	.0													3081	3136	2929	3780														
30/ 29	.2	1.4	1.0	.1	.0													2410	2430	2840	3276														
28/ 27	.2	1.3	.7	.1	.0													1961	1971	3053	3092														
26/ 25	.2	1.6	.5	.0														1928	1934	2546	3280														
24/ 23	.1	1.1	.3	.0														1297	1297	2244	2148														
22/ 21	.2	1.7	.3	.0														1942	1942	1926	2673														
20/ 19	.4	1.8	.4	.0														2134	2134	1818	3368														
18/ 17	.2	1.4	.1	.0														1567	1567	2055	2396														
16/ 15	.2	1.4	.1															1456	1457	1487	2335														
14/ 13	.2	1.3	.1															1339	1341	1257	1992														
12/ 11	.2	1.2	.0															1183	1183	1367	1813														
10/ 9	.2	1.1	.0															1129	1130	1399	1633														
8/ 7	.2	1.1	.0															1112	1112	1112	1420														
6/ 5	.2	.9																883	883	1138	983														
4/ 3	.3	.9																1080	1080	1182	1060														
2/ 1	.3	1.2																1307	1307	1084	1296														
0/ -1	.7	.4																934	934	1069	984														
-2/ -3	.6	.5																932	932	1054	972														
-4/ -5	.5	.4																770	770	694	902														
-6/ -7	.7	.2																802	802	936	874														
-8/ -9	.8	.0																687	687	873	752														
-10/ -11	.7																	628	628	629	820														
-12/ -13	.5																	396	396	396	542														
-14/ -15	.6																	532	532	532	758														
-16/ -17	.4																	385	385	385	692														
-18/ -19	.6																	487	487	487	826														
-20/ -21	.2																	188	188	188	652														
-22/ -23	.2																	165	165	165	601														
-24/ -25	.1																	88	88	88	521														
-26/ -27	.1																	73	73	73	424														
Element (X)	Σ X ²			Σ X			X̄			σ _x			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.																≤ 0 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F											Total								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

PSYCHROMETRIC SUMMARY

727575

MINOT AFB ND

73-82

ALL

STATION

STATION NAME

YEARS

444

PAGE 3

ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point												
-28/-29	.0																			26	26	26	387											
-30/-31	.0																			5	5	5	194											
-32/-33	.0																			1	1	1	169											
-34/-35																							98											
-36/-37																							72											
-38/-39																							22											
-40/-41																							2											
TOTAL	13.3	29.5	17.8	10.9	7.7	5.7	4.6	3.9	3.2	2.4	1.7	1.1	.6	.4	.2	.1	.1			87557		86618												
																				86618		86618												

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

727675 MINOT AFB ND

73-82

PERIOD	MEAN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02	MEAN	2.7	11.2	22.4	35.6	48.7	56.8	62.4	58.5	50.0	39.2	23.8	12.7	35.5
	S.D.	15.098	15.534	12.456	10.638	9.223	6.491	6.553	7.300	8.682	9.195	13.248	14.378	22.608
	TOTAL OBS	930	846	919	900	930	900	930	930	900	930	900	930	17945
03-05	MEAN	2.1	10.3	20.8	33.6	46.1	54.6	59.8	55.9	48.3	37.7	22.8	12.0	33.6
	S.D.	16.487	15.521	12.700	10.347	8.821	6.711	6.522	7.332	8.615	9.105	13.125	14.566	22.044
	TOTAL OBS	930	846	921	900	930	900	930	930	900	930	900	930	17947
06-08	MEAN	1.8	9.6	20.2	34.6	49.3	58.5	63.7	57.7	48.5	37.3	22.1	11.6	34.7
	S.D.	16.657	15.667	12.794	10.622	9.536	6.647	6.375	7.233	8.185	8.821	13.087	14.815	23.327
	TOTAL OBS	930	845	921	899	930	900	930	929	900	930	900	930	17944
09-11	MEAN	3.2	11.9	24.8	43.2	58.4	66.9	73.8	68.0	58.8	45.0	26.3	13.0	41.3
	S.D.	16.260	15.726	13.532	13.678	11.522	7.795	6.777	8.391	10.260	10.609	14.096	14.776	26.580
	TOTAL OBS	930	846	921	900	930	900	930	929	920	930	900	930	17946
12-14	MEAN	8.1	16.7	30.4	49.1	63.6	72.0	79.9	74.9	65.7	52.0	32.4	17.3	47.0
	S.D.	16.073	15.408	13.762	15.011	12.841	8.904	7.702	9.613	12.142	12.437	15.451	14.927	27.418
	TOTAL OBS	930	846	921	900	930	900	930	930	900	930	900	930	17947
15-17	MEAN	9.4	18.4	32.5	51.0	65.0	73.4	81.8	77.2	67.4	53.3	32.6	17.6	48.5
	S.D.	15.926	15.014	13.779	15.346	12.859	9.292	7.698	9.783	12.323	12.532	15.528	14.866	27.683
	TOTAL OBS	930	846	921	900	930	900	930	930	900	929	900	930	17946
18-20	MEAN	5.8	15.0	28.8	47.0	61.8	70.4	77.8	72.5	60.6	45.6	26.4	14.2	44.0
	S.D.	16.056	14.775	12.807	13.978	11.959	8.546	7.122	9.197	10.701	10.279	13.774	14.792	27.086
	TOTAL OBS	930	846	921	898	930	900	929	930	900	930	900	927	17941
21-23	MEAN	3.9	12.6	24.9	39.6	53.6	61.8	67.7	62.8	52.7	41.1	24.1	13.2	36.3
	S.D.	16.069	15.219	11.914	11.230	9.951	7.147	6.489	7.904	8.635	9.327	13.624	14.757	23.984
	TOTAL OBS	930	846	919	900	930	900	929	930	900	930	900	927	17941
ALL HOURS	MEAN	4.6	13.2	25.6	41.7	55.8	64.3	70.9	65.9	56.5	43.9	26.3	13.9	40.4
	S.D.	16.416	15.638	13.655	14.269	12.933	10.355	10.593	11.472	12.369	11.891	14.529	14.882	25.742
	TOTAL OBS	7440	6767	7364	7197	7440	7220	7438	7438	7220	7439	7220	7434	87557

USAFETAC FORM 0.89.5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

727575 MINOT AFB ND

73-82

STATION NAME		YEARS												
		AN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1-02	MEAN	1.9	10.0	20.4	32.0	43.7	51.2	56.7	53.2	45.4	35.6	21.7	11.7	31.9
	STDEV	15.338	14.776	11.712	9.307	7.758	5.720	5.512	6.283	7.303	7.764	11.973	13.733	20.619
	TOTAL OBS	930	845	919	876	881	888	902	926	900	929	898	930	10824
1-05	MEAN	1.3	9.2	19.1	30.5	42.0	49.7	54.9	51.7	44.3	34.5	20.9	11.0	30.7
	STDEV	15.632	14.794	12.071	9.320	7.817	5.985	5.569	6.551	7.404	7.749	11.947	13.925	20.400
	TOTAL OBS	930	846	921	876	879	888	899	927	900	929	897	930	10822
1-08	MEAN	1.0	8.5	18.4	31.3	44.3	52.4	57.3	53.1	44.6	34.2	20.3	10.6	31.3
	STDEV	15.840	14.941	12.177	9.345	7.858	5.602	5.019	6.253	7.262	7.578	12.071	14.152	21.301
	TOTAL OBS	930	845	921	875	882	888	899	926	900	927	898	930	10819
1-11	MEAN	2.3	10.6	21.9	36.5	49.2	56.7	62.1	58.5	50.4	39.3	23.6	11.8	35.2
	STDEV	15.393	14.799	12.130	10.160	7.905	5.516	4.671	5.907	6.997	7.857	12.204	14.019	22.442
	TOTAL OBS	930	844	921	874	882	891	900	927	899	929	900	930	10827
12-14	MEAN	.8	14.7	26.0	39.7	51.3	58.4	64.0	60.7	53.3	43.3	27.7	15.5	38.4
	STDEV	15.814	14.092	11.460	10.010	7.833	5.647	4.858	6.025	7.222	8.276	12.241	13.771	21.616
	TOTAL OBS	930	846	921	870	883	892	899	930	898	930	900	930	10829
15-17	MEAN	8.0	16.2	27.6	40.6	51.7	58.7	64.2	61.1	53.6	43.7	27.6	15.8	39.1
	STDEV	14.833	13.725	11.096	9.831	7.416	5.549	4.710	5.877	7.091	8.229	12.272	13.764	21.275
	TOTAL OBS	930	846	921	873	885	890	902	930	900	927	900	930	10834
18-20	MEAN	4.8	13.5	25.3	38.7	50.2	57.6	63.2	59.4	50.8	39.6	23.6	13.0	36.6
	STDEV	15.172	13.891	11.065	9.633	7.411	5.473	4.691	5.878	7.119	7.752	12.041	14.004	21.634
	TOTAL OBS	930	846	920	871	888	891	901	930	899	929	900	927	10832
21-23	MEAN	3.0	11.4	22.6	34.6	46.5	54.2	59.6	55.6	47.0	36.8	21.9	12.1	33.8
	STDEV	15.266	14.465	11.027	9.161	7.509	5.684	5.082	6.228	7.106	7.706	12.221	14.047	21.138
	TOTAL OBS	930	846	919	873	886	891	901	930	899	929	900	927	10831
ALL HOURS	MEAN	3.6	11.8	22.7	35.5	47.4	54.9	60.3	56.7	48.7	38.4	23.4	12.7	34.6
	STDEV	15.490	14.665	12.014	10.296	8.447	6.512	6.062	7.051	8.033	8.599	12.408	14.042	21.548
	TOTAL OBS	7440	6764	7363	6988	7064	7119	7203	7426	7195	7429	7193	7434	86618

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

727675 MINOT AFB ND

73-82

		AN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUA
7-20	MEAN	-5.6	3.5	14.5	25.7	37.1	46.3	52.5	48.9	40.6	30.4	16.4	6.1	26.4
	S.D.	18.09	17.01	13.47	10.50	9.40	7.83	6.09	7.06	6.01	8.36	12.39	15.67	21.91
	TOTAL OBS	930	845	919	876	881	888	902	926	900	929	898	930	12824
8-27	MEAN	-6.3	2.6	13.2	24.9	36.4	45.2	51.1	48.1	40.0	29.8	15.9	5.5	25.5
	S.D.	18.58	17.06	13.02	10.54	9.29	6.87	6.01	7.15	6.13	8.10	12.28	15.85	21.91
	TOTAL OBS	930	846	921	876	879	888	899	927	900	929	897	930	12822
8-28	MEAN	-6.7	1.9	12.4	25.6	38.1	47.3	52.7	49.3	40.5	29.6	15.5	5.0	25.9
	S.D.	18.87	17.23	14.23	10.26	9.16	6.53	5.56	6.81	6.03	7.88	12.48	15.99	22.62
	TOTAL OBS	930	845	921	875	880	888	899	926	900	927	898	930	12819
9-11	MEAN	-5.4	3.7	14.7	27.2	39.3	46.6	54.3	51.5	42.8	32.3	17.6	5.9	27.7
	S.D.	18.05	16.95	13.56	10.11	9.76	6.84	6.12	7.04	7.92	7.75	12.25	15.94	22.65
	TOTAL OBS	930	844	921	874	882	891	900	927	899	929	900	930	12827
11-14	MEAN	-1.2	7.3	17.0	27.5	38.6	46.2	53.7	50.7	42.5	33.3	19.3	6.8	28.6
	S.D.	16.79	15.89	12.18	9.87	9.79	7.41	6.93	7.73	8.46	8.17	11.73	15.53	21.11
	TOTAL OBS	930	846	921	870	883	892	899	930	898	930	900	930	12829
12-17	MEAN	0.0	8.9	18.1	27.1	38.0	47.5	52.9	49.6	41.6	32.8	19.1	9.3	28.7
	S.D.	16.75	15.50	11.58	9.90	9.66	7.49	6.97	7.98	8.60	8.56	11.89	15.49	20.42
	TOTAL OBS	930	846	921	873	885	890	902	930	900	927	900	930	12834
1-20	MEAN	-2.7	6.9	17.7	27.2	37.9	47.7	53.7	49.9	41.8	32.0	17.2	7.3	28.0
	S.D.	17.37	16.06	12.04	10.15	9.78	7.45	6.74	7.76	8.51	8.49	12.42	15.88	21.39
	TOTAL OBS	930	846	920	871	888	891	901	930	899	929	900	927	12832
1-23	MEAN	-4.4	5.1	16.5	26.9	38.1	47.9	53.9	49.9	41.2	30.9	16.2	6.4	27.4
	S.D.	17.76	16.70	12.51	10.27	9.38	6.92	5.93	7.27	8.19	8.40	11.68	15.92	21.92
	TOTAL OBS	930	846	919	873	886	891	901	930	899	929	900	927	12831
ALL HOURS	MEAN	-4.0	5.0	15.5	26.5	37.9	47.4	53.1	49.7	41.4	31.4	17.1	6.8	27.3
	S.D.	17.79	16.72	13.01	10.24	9.56	7.12	6.38	7.42	8.27	8.32	12.34	15.85	21.78
	TOTAL OBS	7440	6764	7363	6988	7064	7119	7204	7426	7195	7429	7193	7434	86618

USAFETAC 1000 0000 (OLA)

AD-A131 888

MINDI AFB NORTH DAKOTA REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. APR 83

616

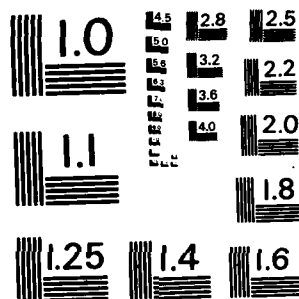
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

727675 MINOT AFB ND

73-82

STATION		YEARS												
STATION NAME		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
07	MEAN	1021.11	1020.01	1015.41	1015.81	1012.81	1011.41	1013.21	1013.71	1015.11	1015.41	1017.81	1017.7	1015.8
	S D	10.423	10.412	8.993	8.271	6.958	6.200	5.639	5.809	7.261	8.361	9.869	10.468	8.835
	TOTAL OBS	310	282	306	299	310	300	310	310	300	310	300	310	3647
03	MEAN	1020.81	1019.81	1015.21	1015.51	1012.71	1011.21	1013.11	1013.71	1014.91	1015.31	1017.61	1017.6	1015.6
	S D	10.498	10.455	9.138	8.459	7.143	6.538	5.803	5.927	7.439	8.498	9.941	10.320	8.926
	TOTAL OBS	309	282	307	300	310	299	310	310	300	310	300	310	3647
06	MEAN	1020.61	1019.91	1015.31	1015.81	1013.11	1011.61	1013.51	1014.11	1015.21	1015.61	1017.91	1017.7	1015.8
	S D	10.564	10.415	9.165	8.537	7.198	6.598	5.967	6.043	7.565	8.552	9.942	10.401	8.933
	TOTAL OBS	310	282	307	299	310	300	310	310	300	310	300	310	3648
09	MEAN	1021.11	1020.51	1016.01	1016.41	1013.41	1011.91	1013.91	1014.41	1015.81	1016.11	1018.51	1018.1	1016.3
	S D	10.565	10.454	9.133	8.450	7.177	6.608	5.969	6.139	7.692	8.636	9.904	10.524	8.972
	TOTAL OBS	310	281	307	299	310	299	310	310	300	310	300	310	3646
12	MEAN	1021.21	1020.51	1015.81	1016.01	1012.91	1011.61	1013.61	1014.11	1015.41	1015.71	1018.21	1018.1	1016.1
	S D	10.672	10.408	9.011	8.312	7.241	6.551	5.911	6.141	7.682	8.564	9.886	10.569	8.999
	TOTAL OBS	310	282	307	300	310	299	310	310	300	310	300	310	3648
15	MEAN	1020.01	1019.51	1014.81	1015.11	1012.01	1011.01	1012.91	1013.21	1014.51	1014.51	1017.21	1016.9	1015.1
	S D	10.675	10.185	8.860	8.110	7.090	6.377	5.728	5.976	7.387	8.369	9.797	10.478	8.817
	TOTAL OBS	310	282	306	300	310	300	310	310	300	310	300	310	3648
18	MEAN	1020.71	1019.81	1014.91	1015.01	1011.61	1010.51	1012.31	1012.61	1014.41	1014.91	1017.91	1017.8	1015.2
	S D	10.520	10.139	8.575	7.949	6.925	6.183	5.558	5.928	7.089	8.066	9.638	10.441	8.808
	TOTAL OBS	310	282	307	299	310	299	309	309	299	310	300	308	3642
21	MEAN	1021.11	1020.21	1015.31	1015.71	1012.21	1010.81	1012.61	1013.21	1015.21	1015.41	1018.11	1017.9	1015.6
	S D	10.446	10.227	8.607	7.907	6.830	6.064	5.551	5.888	7.122	8.103	9.718	10.589	8.798
	TOTAL OBS	310	282	306	300	310	300	309	309	300	310	300	309	3645
ALL HOURS	MEAN	1020.81	1020.01	1015.41	1015.71	1012.61	1011.31	1013.11	1013.61	1015.11	1015.41	1017.91	1017.7	1015.7
	S D	10.537	10.327	8.933	8.252	7.085	6.399	5.782	5.997	7.410	8.397	9.830	10.465	8.894
	TOTAL OBS	2479	2255	2453	2396	2480	2396	2478	2478	2399	2480	2400	2477	29171

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

727675
STATION

MINOT AFB ND

STATION NAME

73-82

PERIOD

JAN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	99.8	96.2	75.2	40.3	9.7	1.0	67.8	930
	03-05	100.0	100.0	100.0	99.7	95.7	73.5	38.8	8.0	.9	67.4	930
	06-08	100.0	100.0	100.0	99.6	95.3	74.2	38.4	8.8	1.0	67.3	930
	09-11	100.0	100.0	99.9	99.7	95.6	72.3	36.7	8.0	.3	67.0	930
	12-14	100.0	100.0	100.0	99.8	93.4	67.2	28.5	6.3		65.4	930
	15-17	100.0	100.0	100.0	100.0	93.3	66.3	30.3	6.2	.4	65.4	930
	18-20	100.0	100.0	100.0	100.0	97.2	73.4	38.6	8.0	1.4	67.5	930
	21-23	100.0	100.0	100.0	100.0	96.7	75.3	39.2	9.8	1.0	67.9	930
TOTALS		100.0	100.0	100.0	99.8	95.4	72.2	36.4	8.1	.8	67.0	7440

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

FEB
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	99.8	97.9	77.9	51.6	21.5	5.3	71.2	845
	03-05	100.0	100.0	100.0	100.0	97.8	77.7	51.2	21.3	4.4	70.9	846
	06-08	100.0	100.0	100.0	99.9	97.8	78.1	49.2	23.2	5.1	70.8	845
	09-11	100.0	100.0	100.0	99.6	96.6	75.2	44.5	17.4	3.2	69.3	844
	12-14	100.0	100.0	100.0	99.4	94.6	63.8	36.9	11.7	1.7	66.5	846
	15-17	100.0	100.0	100.0	99.5	92.9	65.5	38.4	10.0	1.3	66.5	846
	18-20	100.0	100.0	100.0	100.0	96.8	77.5	51.8	17.6	1.5	70.2	846
	21-23	100.0	100.0	100.0	100.0	97.9	81.2	56.0	23.4	3.2	71.6	846
TOTALS		100.0	100.0	100.0	99.8	96.5	74.6	47.5	18.3	3.2	69.6	6764

FORM
JUL 64

0-87.5 (OL A)

RELATIVE HUMIDITY

PERIOD

MAR
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	99.9	96.7	81.5	55.7	25.7	3.4	71.9	919
	03-05	100.0	100.0	100.0	100.0	97.5	83.0	57.4	27.9	5.0	72.5	921
	06-08	100.0	100.0	100.0	100.0	96.0	80.1	56.5	25.3	4.0	71.9	921
	09-11	100.0	99.9	99.6	97.6	86.8	64.7	40.4	15.3	3.1	66.3	921
	12-14	100.0	99.7	96.3	86.8	72.0	49.6	26.8	8.4	1.4	59.6	921
	15-17	100.0	99.2	94.2	82.7	66.3	47.2	24.9	7.9	1.0	58.0	921
	18-20	100.0	99.9	98.0	73.5	82.7	62.3	38.9	14.7	1.4	64.7	920
	21-23	100.0	100.0	100.0	99.7	95.5	76.7	51.8	24.2	2.9	70.8	919
TOTALS		100.0	99.8	98.5	95.0	86.7	68.4	44.1	18.7	2.8	67.0	7363

RELATIVE HUMIDITY

73-82

ADR
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	98.9	93.9	85.5	73.4	52.5	25.3	3.1	68.7	876
	03-05	100.0	100.0	99.7	97.7	90.6	79.9	60.3	30.4	3.5	71.6	876
	06-08	100.0	99.9	99.3	97.6	90.6	78.2	55.8	29.0	2.5	70.8	875
	09-11	100.0	97.9	90.4	78.4	61.8	45.0	24.7	10.5	1.1	56.7	874
	12-14	100.0	91.1	76.1	58.4	43.8	29.3	15.7	7.1	.8	47.8	870
	15-17	99.8	86.6	67.4	51.1	39.6	27.0	14.8	6.3	.9	44.9	873
	18-20	100.0	93.0	77.8	62.7	50.1	38.1	20.7	9.8	1.4	50.9	871
	21-23	100.0	99.9	95.3	85.2	74.8	58.4	38.9	18.3	2.2	62.9	873
TOTALS		100.0	96.1	88.1	78.1	67.1	53.7	35.4	17.1	1.9	59.3	6988

RELATIVE HUMIDITY

73-82

MAY

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	98.9	92.2	81.4	61.7	39.0	11.4	.6	64.4	681
	03-05	100.0	100.0	99.9	96.2	88.1	74.2	50.1	18.7	.9	68.5	879
	06-08	100.0	100.0	99.1	93.5	82.6	64.3	41.1	15.0	1.0	65.5	880
	09-11	100.0	97.7	86.8	68.9	45.9	28.0	17.0	6.3	.1	50.7	882
	12-14	100.0	92.9	69.6	43.4	25.8	18.0	9.2	4.1	.2	42.0	683
	15-17	100.0	90.3	60.2	35.4	24.9	16.2	8.7	3.8	.5	39.4	285
	18-20	100.0	93.1	72.0	47.4	32.7	20.6	12.3	4.7	.2	43.8	888
	21-23	100.0	99.3	94.8	81.2	63.0	40.6	24.6	7.8	.7	56.9	886
TOTALS		100.0	96.7	85.2	69.8	55.6	40.5	25.3	9.0	.5	53.9	7064

USAFETACFORM
HAS 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

727675
STATION

HINOT AFB ND
STATION NAME

73-82
PERIOD

JUN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	99.8	99.0	92.2	76.1	48.1	13.1	.5	68.7	888
	03-05	100.0	100.0	99.7	99.4	95.5	83.1	61.6	19.6	1.1	71.7	888
	06-08	100.0	100.0	99.9	98.4	90.8	70.9	44.6	11.6	1.7	67.6	888
	09-11	100.0	100.0	96.4	83.1	55.0	30.2	14.3	4.3	1.0	54.0	891
	12-14	100.0	98.3	85.3	54.8	28.3	16.3	8.1	3.3	.6	45.3	892
	15-17	100.0	96.4	78.1	43.9	24.8	13.9	8.1	3.3	.1	42.5	890
	18-20	100.0	98.7	86.3	59.8	35.7	20.5	9.3	3.0	.2	47.0	891
	21-23	100.0	100.0	99.2	94.9	78.0	53.9	27.9	5.8	.6	61.7	891
TOTALS		100.0	99.2	93.1	79.2	62.5	45.6	27.8	8.0	.7	57.3	7119

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

RELATIVE HUMIDITY

727675
STATION

MINOT AFB ND
STATION NAME

73-82
PERIOD

JUL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	99.4	96.3	84.1	54.1	13.2	2.3	70.9	902
	03-05	100.0	100.0	100.0	99.6	98.0	89.8	67.7	20.2	4.1	73.8	899
	06-08	100.0	100.0	100.0	99.2	92.9	75.9	42.7	13.5	2.1	66.5	899
	09-11	100.0	100.0	97.6	80.3	51.4	23.4	9.7	1.8	.3	52.1	900
	12-14	100.0	99.2	80.9	48.6	19.8	8.9	2.6	.8	.1	41.9	899
	15-17	100.0	97.9	70.7	35.7	17.2	7.1	1.9	.2		38.7	902
	18-20	100.0	99.8	87.2	57.8	29.0	12.8	4.6	1.2		45.0	901
	21-23	100.0	100.0	100.0	98.0	83.2	54.9	23.1	5.7	.3	62.3	901
TOTALS		100.0	99.6	92.1	77.3	61.0	44.6	25.8	7.1	1.2	56.7	7203

RELATIVE HUMIDITY

AUG

1813
STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	99.2	94.0	81.1	53.9	22.9	5.1	71.5	926
	03-05	100.0	100.0	100.0	100.0	98.0	89.5	68.0	32.8	9.8	75.8	927
	06-08	100.0	100.0	100.0	99.8	96.5	85.9	64.9	28.3	7.7	74.2	926
	09-11	100.0	99.9	97.1	86.4	64.9	39.7	19.2	6.9	1.8	57.4	927
	12-14	100.0	98.0	84.9	56.7	29.7	14.9	8.6	3.4	.9	45.2	930
	15-17	100.0	96.1	72.5	38.8	20.9	12.3	5.4	2.8	.4	40.5	930
	18-20	100.0	98.8	85.8	60.2	35.3	21.1	10.4	3.5	.5	47.5	939
	21-23	100.0	100.0	99.2	95.5	81.5	58.8	34.0	13.8	2.8	64.3	930
TOTALS		100.0	99.1	92.4	79.6	65.1	50.4	33.1	14.3	3.6	59.6	7426

RELATIVE HUMIDITY

SEP
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	99.7	98.7	89.1	77.4	57.4	30.4	9.9	71.8	900
	03-05	100.0	100.0	100.0	99.2	93.7	82.2	62.7	36.3	13.1	74.5	900
	06-08	100.0	100.0	100.0	99.2	94.7	83.9	64.0	36.0	14.2	74.9	900
	09-11	100.0	99.6	94.3	82.4	62.6	44.3	27.4	14.5	3.7	58.6	899
	12-14	100.0	95.4	76.8	56.5	35.9	22.9	15.0	6.8	1.1	46.8	898
	15-17	100.0	92.3	69.7	43.9	29.0	20.0	11.9	5.9	2.1	43.3	900
	18-20	100.0	98.6	89.2	69.0	49.9	33.4	21.4	10.6	3.6	53.3	899
	21-23	100.0	100.0	99.6	95.6	82.1	64.6	42.9	20.5	6.0	66.8	899
TOTALS		100.0	98.3	91.2	80.6	67.1	53.6	37.9	20.1	6.6	61.3	7195

RELATIVE HUMIDITY

OCT
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	99.9	98.2	92.6	77.0	54.3	32.7	11.6	72.1	929
	03-05	100.0	100.0	100.0	98.5	94.2	83.6	60.9	36.5	14.0	74.3	929
	06-08	100.0	100.0	100.0	99.2	95.7	84.8	63.2	37.8	12.8	74.7	927
	09-11	100.0	100.0	98.8	91.0	73.5	54.5	36.0	19.3	7.0	63.6	929
	12-14	100.0	99.0	87.3	66.6	48.8	32.4	19.5	10.8	4.5	52.7	930
	15-17	100.0	97.8	83.0	59.7	43.5	28.3	15.6	8.8	3.8	49.7	927
	18-20	100.0	99.8	96.8	86.7	70.9	50.8	32.8	15.7	5.2	61.5	929
	21-23	100.0	100.0	99.5	96.9	85.9	67.9	44.0	25.2	8.1	68.6	929
TOTALS		100.0	99.6	95.7	87.1	75.6	59.9	40.8	23.4	8.4	64.7	7429

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MINOT AFB ND

STATION NAME

73-82

PERIOD

NOV
-- MONTH

●

1

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

RELATIVE HUMIDITY

727675
STATION

MINOT AFB ND

STATION NAME

73-82

PERIOD

DEC
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	100.0	98.7	89.7	65.8	31.9	8.3	74.9	937
	03-05	100.0	100.0	100.0	99.9	98.6	89.8	64.5	32.9	8.4	74.8	937
	06-08	100.0	100.0	100.0	100.0	98.6	88.7	63.1	31.8	7.1	74.6	930
	09-11	100.0	100.0	100.0	99.5	98.0	85.2	58.8	27.8	5.7	73.3	930
	12-14	100.0	100.0	100.0	99.1	94.2	76.3	44.9	20.2	5.8	69.8	930
	15-17	100.0	100.0	100.0	99.4	93.3	79.5	51.5	21.9	4.9	70.5	930
	18-20	100.0	100.0	100.0	100.0	97.5	88.5	63.2	30.1	5.7	74.1	927
	21-23	100.0	100.0	99.9	99.9	98.3	88.7	63.1	31.1	7.3	74.4	927
TOTALS		100.0	100.0	100.0	99.7	97.2	85.8	59.4	28.5	5.8	73.3	7434

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

727675 MINOT AFB ND

73-82

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	99.8	95.4	72.2	36.4	8.1	.8	67.1	7440
FEB		100.0	100.0	100.0	99.8	96.5	74.6	47.5	18.3	3.2	69.6	6764
MAR		100.0	99.8	98.5	95.0	86.7	68.4	44.1	18.7	2.8	67.0	7363
APR		100.0	96.1	88.1	78.1	67.1	53.7	35.4	17.1	1.9	59.3	6998
MAY		100.0	96.7	85.2	69.8	55.6	40.5	25.3	9.0	.5	53.9	7064
JUN		100.0	99.2	93.1	79.2	62.5	45.6	27.8	8.7	.7	57.3	7110
JUL		100.0	99.6	92.1	77.3	61.0	44.6	25.9	7.1	1.2	56.7	7273
AUG		100.0	99.1	92.4	79.6	65.1	50.4	33.1	14.3	3.6	59.6	7426
SEP		100.0	98.3	91.2	80.6	67.1	53.6	37.9	20.1	6.6	61.3	7195
OCT		100.0	99.6	95.7	87.1	75.6	59.9	40.8	23.4	8.4	64.7	7429
NOV		100.0	99.8	98.2	94.0	86.7	76.3	57.2	29.1	8.2	70.5	7193
DEC		100.0	100.0	100.0	99.7	97.2	85.8	59.4	28.5	6.8	73.3	7434
TOTALS		100.0	99.0	94.5	86.7	76.4	60.5	39.2	16.8	3.7	63.4	86618

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

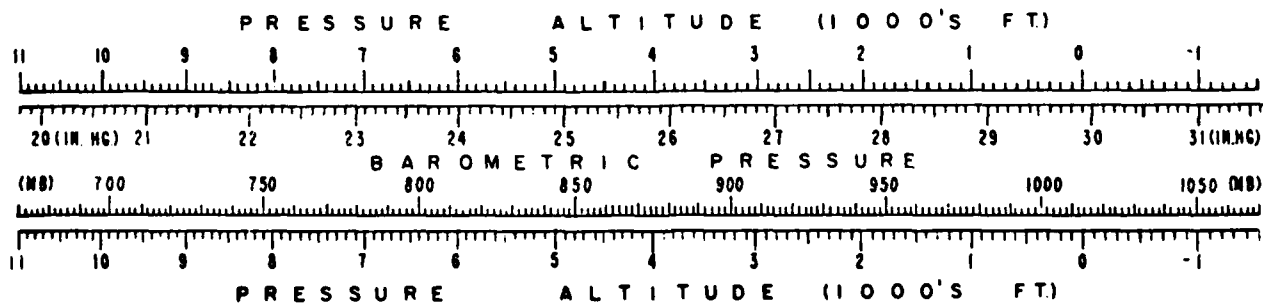
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

727675 MINOT AFB ND

73-82

STATION		YEARS												
STATION NAME		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
HRS LST														
00	MEAN	28.24728	23828.14128	18428.12828	10428.16328	17128.19328	18128.20928	177	28.178					
	S D	.266	.261	.233	.219	.184	.168	.151	.155	.190	.220	.257	.269	.221
	TOTAL OBS	310	282	306	300	310	300	310	310	300	310	300	310	3648
03	MEAN	28.24228	23628.13528	17728.12528	09828.16128	17128.19128	17928.20728	177	28.175					
	S D	.268	.264	.237	.225	.189	.175	.154	.157	.195	.222	.258	.265	.224
	TOTAL OBS	310	282	307	300	310	300	310	310	300	310	300	310	3649
05	MEAN	28.23328	23628.13828	18328.13628	10928.17228	17928.19628	18228.20628	175	28.178					
	S D	.270	.263	.237	.227	.191	.178	.159	.162	.199	.225	.260	.267	.226
	TOTAL OBS	310	282	307	300	310	300	310	310	300	310	299	310	3648
09	MEAN	28.24128	24628.15228	19628.14528	11728.18428	19028.20928	19428.22028	183	28.189					
	S D	.270	.265	.237	.226	.192	.180	.160	.165	.204	.229	.259	.269	.227
	TOTAL OBS	310	282	307	300	310	300	310	310	300	310	300	310	3649
12	MEAN	28.24928	25328.15228	19128.13228	11028.17528	18028.20328	18828.22028	187	28.186					
	S D	.274	.263	.235	.222	.193	.179	.158	.165	.204	.227	.259	.271	.227
	TOTAL OBS	310	282	307	300	310	300	310	310	300	309	300	310	3648
15	MEAN	28.22028	22528.12728	16728.10828	09328.15628	15528.17828	15828.19328	159	28.161					
	S D	.274	.259	.230	.215	.188	.174	.153	.162	.194	.221	.256	.269	.223
	TOTAL OBS	310	282	307	300	310	300	310	310	300	310	300	310	3649
18	MEAN	28.23528	23228.12628	16028.09528	07928.13928	13928.17428	16228.20628	174	28.165					
	S D	.269	.256	.223	.211	.183	.168	.149	.158	.187	.212	.251	.268	.220
	TOTAL OBS	310	282	307	300	310	300	310	310	300	310	300	309	3648
21	MEAN	28.24228	24028.13628	18028.11128	08928.14828	15628.19328	17528.21228	178	28.171					
	S D	.267	.258	.223	.209	.181	.165	.149	.156	.186	.214	.252	.271	.219
	TOTAL OBS	310	282	307	300	310	300	310	310	300	310	300	309	3648
ALL HOURS	MEAN	28.23928	23828.13828	18028.12328	10028.16228	16828.19228	17728.20928	176	28.175					
	S D	.269	.261	.232	.219	.188	.174	.155	.161	.195	.221	.256	.268	.224
	TOTAL OBS	2480	2256	2455	2400	2480	2400	2480	2480	2400	2479	2399	2478	29187

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MEANS AND STANDARD DEVIATIONS

STATION		STATION NAME												YEARS											
HRS	LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
	MEAN																								
	S D																								
	TOTAL OBS																								
	MEAN																								
	S D																								
	TOTAL OBS																								
	MEAN																								
	S D																								
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